EPA Region 5 Records Ctr.
200959

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CRA

CONESTOGA-ROVERS & ASSOCIATES
1801 Old Highway 8, Suite 114
St. Paul, Minnesota 55112
612) 639-0913 Fax:(612) 639-0923

March 31, 1995

Reference No. 3481

Ms. Sheri Bianchin
UNITED STATES ENVIRONMENTAL
PROTECTION AGENCY
Region V (HSRL-6J)
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Dear Ms. Bianchin:

Re: Expedited Groundwater Sampling Results
December 1994/January 1995
American Chemical Service (ACS)

Please find enclosed Montgomery Watson's technical memorandum summarizing the recent groundwater sampling conducted at ACS.

Should you have any questions, please call us at 612-639-0913.

Sincerely,

CONESTOGA-ROVERS & ASSOCIATES

Ronald Frehner

RF/br
Enc.
c.c. Holly Grejda; IDEM
ACS Technical Committee

MONTGOMERY WATSON

TECHNICAL MEMORANDUM

April 3, 1995

To: Sheri Bianchin
Remedial Project Manager
HSRL-6J
United States Environmental Protection Agency-Region V
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

From: Joseph D. Adams
Martin Hamper
Montgomery Watson Americas, Inc.
2100 Corporate Drive
Addison, Illinois 60101

Re: Expedited Groundwater Sampling Results
December 1994/January 1995

Expedited groundwater sampling was performed at the American Chemical Service, Inc. (ACS) facility in Griffith, Indiana in December 1994, and January 1995. The groundwater sampling was conducted in accordance with the groundwater sampling Work Plan which was submitted by Montgomery Watson to the U.S. Environmental Protection Agency (U.S. EPA), dated December 9, 1994 (Attachment A) as approved with comments by the U.S. EPA and the Indiana Department of Environmental Management (IDEM) in your letter of December 23, 1994 (Attachment B).

The data gathered during this sampling event were used to determine the current areal extent of groundwater contamination. The data will also be used, in conjunction with future Pre-Design Studies, to determine the location of additional groundwater monitoring wells.

Field Sampling Activities

One round of groundwater samples was collected from 22 monitoring wells (MW3 through MW24). Monitoring well MW1 is no longer part of the monitoring well network as it was assumed, when it could not be located during the RI, that it was destroyed by railroad maintenance activities, due to the presence of a wide area of newly placed gravel at the well location vicinity. Monitoring well MW2 could not be sampled due to a bent casing. Groundwater samples from each well were analyzed for volatile organic compounds (VOCs) (full TCL VOC scan), semi-volatile organic compounds (SVOCs) (full TCL scan),

polychlorinated biphenyls (PCBs), arsenic, beryllium, thallium, and manganese, which include each of the target compounds/analytes required by the Statement of Work (SOW), Section II, F.2, (i.e., Appendix B of the approved SOW). The metal analyses were performed on both filtered and unfiltered samples. Water levels were also measured at each of the existing monitoring wells, staff gauges, and piezometers, and are listed in the attached Table 1. Some of the staff gauges and piezometers could not be located, were damaged, or appeared to provide unreliable results.

Analyses were performed in accordance with the Contract Laboratory Program (CLP) SOW. TCL organic laboratory analysis was performed by IEA Analytical Laboratory, North Carolina. Metals analysis were performed at Montgomery Watson's analytical laboratory in Madison, Wisconsin. Lab analyses were performed at Data Quality Objective (DQO) Level 4 (i.e. CLP data packages as agreed with the U.S. EPA and IDEM). and Montgomery Watson validated the data. The validated data are included as Attachment C.

Water Level Measurements- Upper Aquifer

A water table map prepared from the water level data collected during the Expedited Groundwater Sampling event indicates that the groundwater flow directions in the Upper Aquifer are consistent with those reported in the Remedial Investigation (RI) report (Figure 1). Groundwater flow is generally westward from Colfax Avenue with northerly and southerly components. A groundwater "mound" is present at the Fire Pond as was consistently reported in the RI report.

Analytical Summary - Upper Aquifer

VOCs-The extent of groundwater contamination has not changed significantly since the last sampling rounds in 1990 and 1991. Figure 2 is plot of Total Volatile Organic Compound (TVOC) results comparing the 1990/1991 RI results to the Expedited Groundwater Sampling results.

The benzene results for each sampled well with the estimated 5 parts per billion (ppb) or micrograms per liter (ug/L) contour line is plotted on Figure 3. Benzene was selected for the plot because of its past prevalence in groundwater samples and its low groundwater cleanup level. Figure 3 shows that there is a ring of wells around the site from which sample results were below the cleanup levels. The benzene cleanup level of 5 ppb was exceeded in samples from wells MW03, MW04, MW05, MW06, MW14, MW16, and MW20.

The ethylbenzene cleanup level of 390 ppb was exceeded in the samples from wells MW03 (690 ppb) and MW06(770 ppb). The cleanup level of 0.25 ppb for vinyl chloride was exceeded in the samples from wells MW05 (17 ppb) and MW17 (2 ppb). The 4-Methyl-2-Pentanone cleanup level of 640 ppb was exceeded in the sample from well MW16.

SVOCs- Samples from wells MW3, MW6, and MW16 contained bis(2-chloroethyl) ether at concentrations of 120, 43, and 160 ppb, respectively, which were above the cleanup level of 21 ppb. The sample result from well MW5 for 1,4-dichlorobenzene was 7 ppb, which is above the corresponding cleanup level of 3.3 ppb.

Metals-Arsenic (filtered samples) was detected above its cleanup level of 8.8 ppb in samples from wells MW3, MW5, MW6, MW15, MW16, and MW19. Manganese (dissolved) was not detected in the Expedited Groundwater samples above the cleanup level of 3,300 ppb. Thallium (dissolved) was only detected once above the cleanup level of 2.4 ppb in the sample from well MW16 (2.5 ppb). Beryllium (dissolved) was not detected above the 5 ppb detection limit. The cleanup level for beryllium is 0.02 ppb.

PCB- The only location where PCBs were detected above the cleanup level in the Upper Aquifer groundwater samples, was at well MW04 which contained 1.4 ppb. The clean up level for PCBs is 0.06 ppb.

Water Level Measurements- Lower Aquifer

A water table map prepared from the water level data collected during the Expedited Groundwater Sampling event indicates that the groundwater flow direction in the Lower Aquifer is consist with that reported in the Remedial Investigation (RI) report (Figure 4). Groundwater flow is generally north to northwest.

Analytical Summary - Lower Aquifer

VOCs-The distribution of total VOCs comparing 1990/1991 RI results to the Expedited Groundwater sampling results are depicted on Figure 5. The general extent of groundwater contamination has not changed significantly from that reported in the RI report, however, benzene was detected in the sample from well MW09 (40 ppb) above the cleanup level of 5 ppb (Figure 6). VOC cleanup levels were not exceeded in results from any other Lower Aquifer well sampled during the Expedited Groundwater Sampling Event. It is anticipated that well MW09 will be re-sampled and analyzed for VOCs.

SVOCs-Only the sample from well MW9 contained SVOCs at a concentration above the cleanup level. The sample from MW9 contained bis (2-chloroethyl) ether at a concentration of 23 ppb, which is above the cleanup level of 21 ppb.

Metals-Dissolved metal results for arsenic, manganese, and thallium were not above their respective cleanup levels of 8.8; 3,300; and 2.4 ppb. Beryllium was not detected above the 5 ppb detection limit.

PCBs-No PCBs were detected above the cleanup level in the Lower Aquifer groundwater samples.

cc: Holly Grejda, IDEM
ACS Technical Committee

ACC/hd/MJH/JDA
J:\4077\0030\94TECHM.WPD

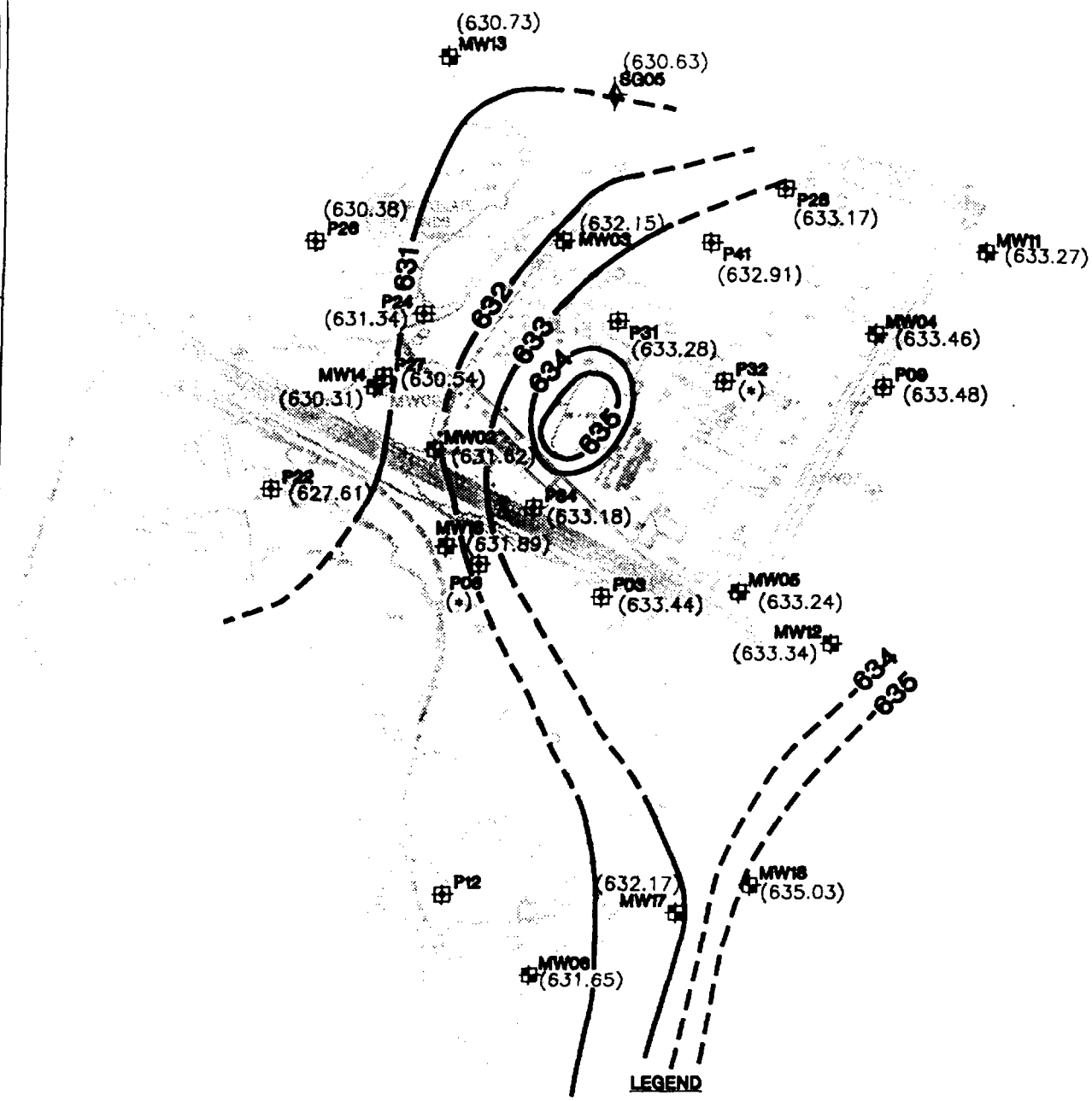
Table 1
Americal Chemical Service, Inc.
Expedited Groundwater Sampling
Water Level Readings
December 1994/January 1995

Monitoring Well Number	Top of Inner Casing Elevation (ft MSL)	Depth to Water Level Reading (ft)	Water Level (ft MSL)	Piezometer Number	Top of Inner Casing Elevation (ft MSL)	Depth to Water Level Reading (ft)	Water Level (ft MSL)	Staff Gauge Number	Top of Staff Gauge Elevation (ft MSL)	Depth to Water Level Reading (ft)	Water Level (ft MSL)
Upper Aquifer:											
MW2	638.14	6.52 *	631.62	P-3	639.89	6.45	633.44	SG5	632.47	1.84	630.63
MW3	636.56	4.41	632.15	P-6	638.77	3.56	635.21**	SG7	636.67	0.94	635.73
MW4	641.06	7.60	633.46	P-9	638.9	5.42	633.48				
MW5	642.2	8.96	633.24	P-12	650.11	dry	- - -				
MW6	655.25	23.60	631.65	P-22	634.33	6.72	627.61				
MW11	640.52	7.25	633.27	P-24	636.08	4.74	631.34				
MW12	642.79	9.45	633.34	P-26	634.23	3.85	630.38				
MW13	634.17	3.44	630.73	P-27	639.68	9.14	630.54				
MW14	638.59	8.28	630.31	P-28	644.53	11.36	633.17				
MW15	637.91	6.56	631.35	P-31	641.05	7.77	633.28				
MW16	638.54	6.65	631.89	P-32	641.79	see note (3)	- - -				
MW17	647.1	14.93	632.17	P-34	639.38	6.2	633.18				
MW18	644.88	9.85	635.03	P-38	639.87	6.64	633.23				
MW19	635.77	21.45	614.32 **	P-41	638.53	5.62	632.91				
MW20	643.01	11.62	631.39								
Lower Aquifer:											
MW7	641.51	19.74	621.77								
MW8	640.49	18.88	621.61								
MW9	639.05	17.16	621.89								
MW10	635.58	14.12	621.46								
MW10C	637.59	15.65	621.94								
MW21	633.78	12.04	621.74								
MW22	636.49	13.56	622.93								
MW23	633.31	11.85	621.46								
MW24	635.31	14.08	621.23								

Notes:
1. * MW2 was observed to have a bent casing.
2. ** Data deemed unreliable due to measurement error.
3. P-32 was broken at the surface.
4. Water level measurements taken on December 27, and December 28, 1994.

j:\4077\0030\95WATLEV.XLS
acc/mjh

FIGURES



NOTES

1. BASE MAP DEVELOPED FROM AN AERIAL SURVEY MAP OF THE SITE FLOWN ON MARCH 8, 1994 BY GEONEX CHICAGO AERIAL SURVEY, INC.

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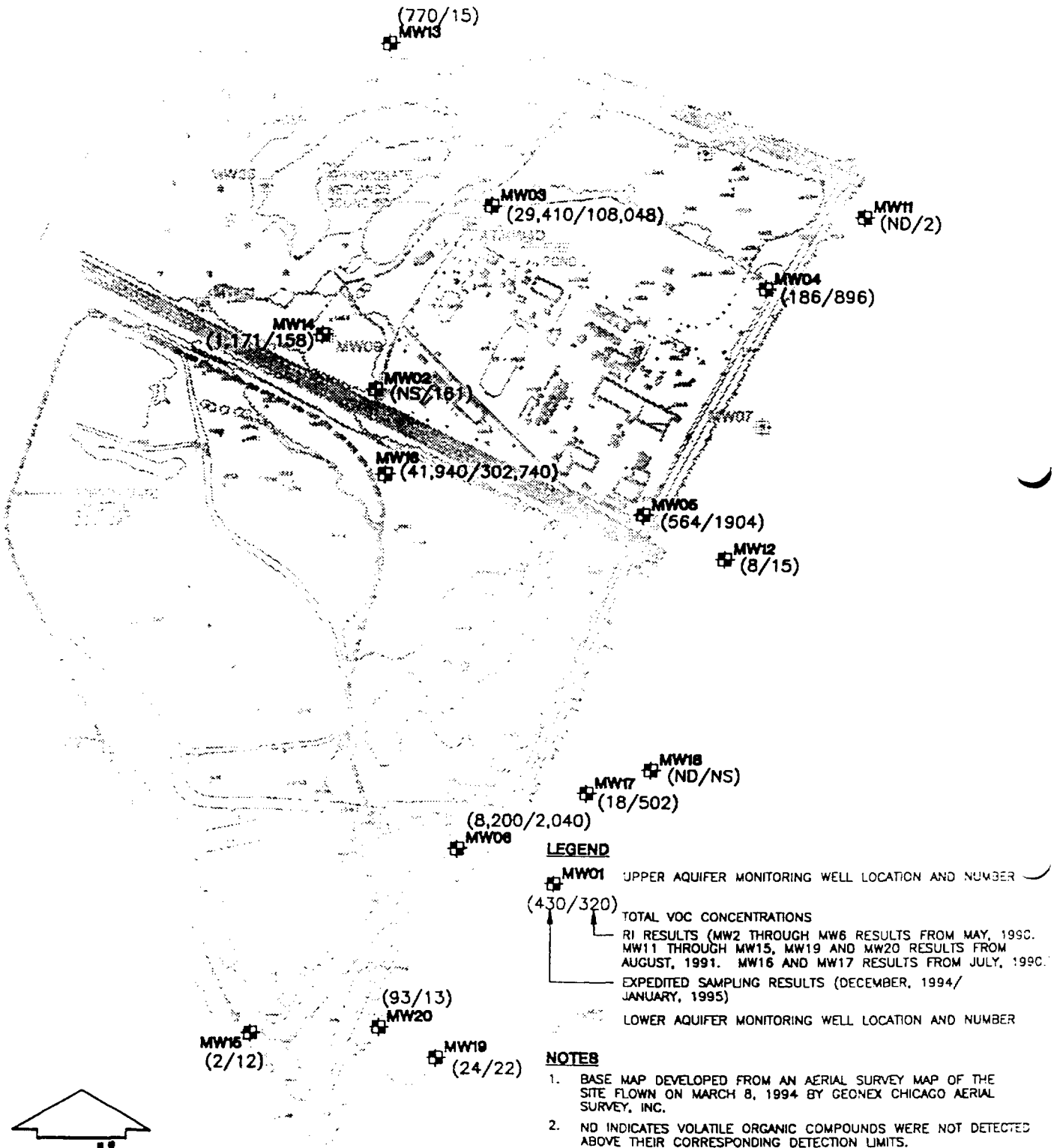
This document has been developed for a specific application and may not be used without the written approval of Montgomery Watson.

FIGURE

Developed By ACC	Drawn By JSL	UPPER AQUIFER WATER TABLE MAP (DECEMBER 27 AND 28, 1995)	Drawing Number 4077.0030 A
Approved By M. Hamper	Date 4-3-95	EXPEDITED GROUNDWATER SAMPLING AMERICAN CHEMICAL SERVICE, INC. NPL SITE	MONTGOMERY WATSON
Reference			
Revisions			



LEGEND

MW01 UPPER AQUIFER MONITORING WELL LOCATION AND NUMBER

(430/320) TOTAL VOC CONCENTRATIONS

RI RESULTS (MW2 THROUGH MW6 RESULTS FROM MAY, 1990. MW11 THROUGH MW15, MW19 AND MW20 RESULTS FROM AUGUST, 1991. MW16 AND MW17 RESULTS FROM JULY, 1990.)

EXPEDITED SAMPLING RESULTS (DECEMBER, 1994/ JANUARY, 1995)

LOWER AQUIFER MONITORING WELL LOCATION AND NUMBER

NOTES

1. BASE MAP DEVELOPED FROM AN AERIAL SURVEY MAP OF THE SITE FLOWN ON MARCH 8, 1994 BY GEONEX CHICAGO AERIAL SURVEY, INC.
2. ND INDICATES VOLATILE ORGANIC COMPOUNDS WERE NOT DETECTED ABOVE THEIR CORRESPONDING DETECTION LIMITS.
3. NS INDICATES MONITORING WELL WAS NOT SAMPLED. MW2 WAS NOT SAMPLED DURING THE EXPEDITED SAMPLING EVENT DUE TO DAMAGE TO WELL CASING. MW18 WAS NOT SAMPLED PRIOR TO THE EXPEDITED SAMPLING EVENT.
4. TOTAL VOC ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/L).

north

0 400

SCALE IN FEET

FIGURE 2

Developed By ACC Drawn By JSL

Approved By M. Hampu 3/3/95 Date

Reference

Revisions

UPPER AQUIFER TOTAL VOC CONCENTRATION COMPARISON MAP (ug/L)

EXPEDITED GROUNDWATER SAMPLING
AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

Drawing Number 4077.0030 A27

MONTGOMERY WATSON

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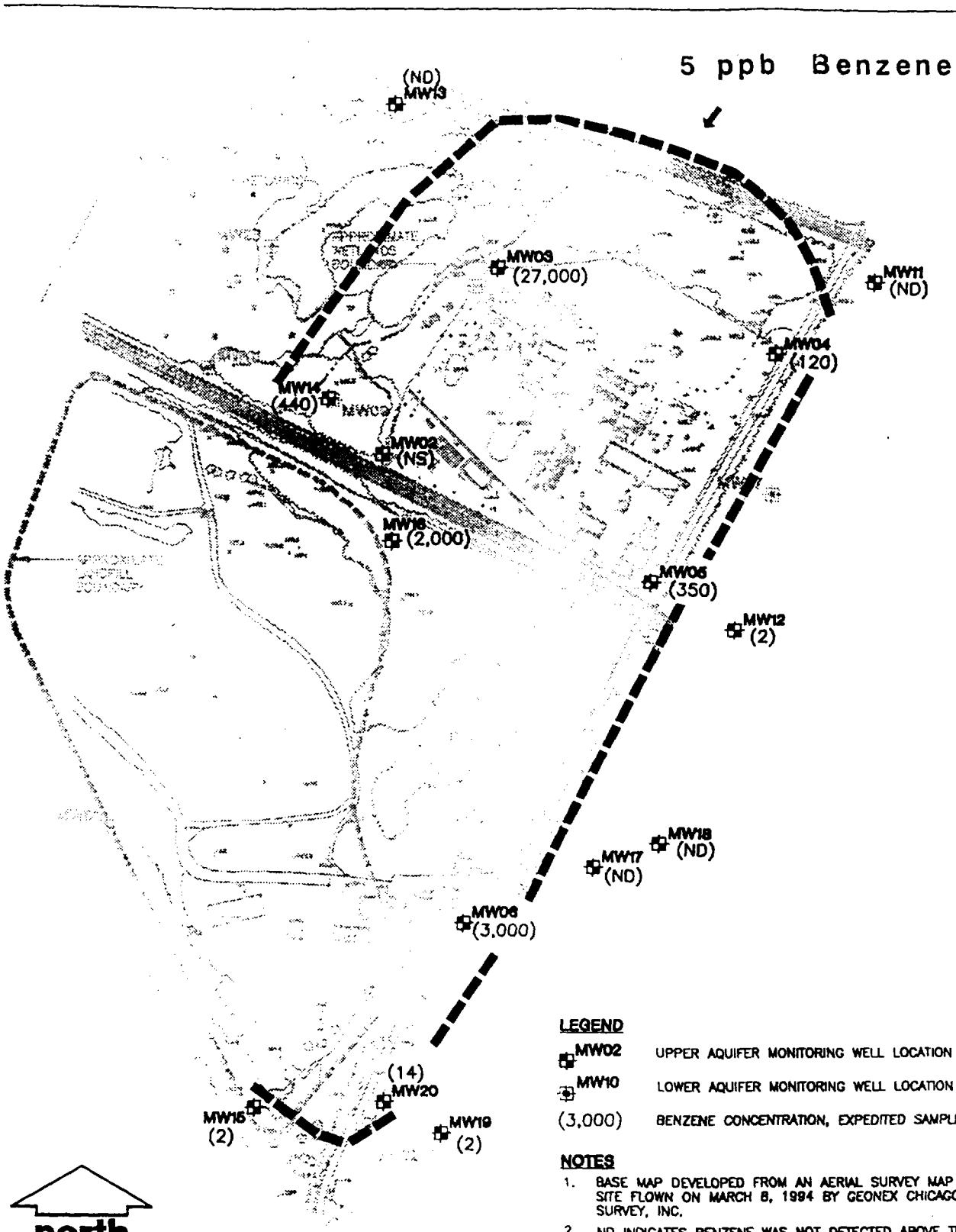

LEGEND

MW02	UPPER AQUIFER MONITORING WELL LOCATION AND NUMB
MW10	LOWER AQUIFER MONITORING WELL LOCATION AND NUMB
(3,000)	BENZENE CONCENTRATION, EXPEDITED SAMPLING (ug/L)

NOTES

1. BASE MAP DEVELOPED FROM AN AERIAL SURVEY MAP OF THE SITE FLOWN ON MARCH 8, 1994 BY GEONEX CHICAGO AERIAL SURVEY, INC.
2. ND INDICATES BENZENE WAS NOT DETECTED ABOVE THE DETECT LIMIT. NS INDICATES WELL WAS NOT SAMPLED. MW02 WAS NO SAMPLED DUE TO DAMAGE TO WELL CASING.
3. BENZENE ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/L).

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Project Manager
Management Review
Other

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FIGURE

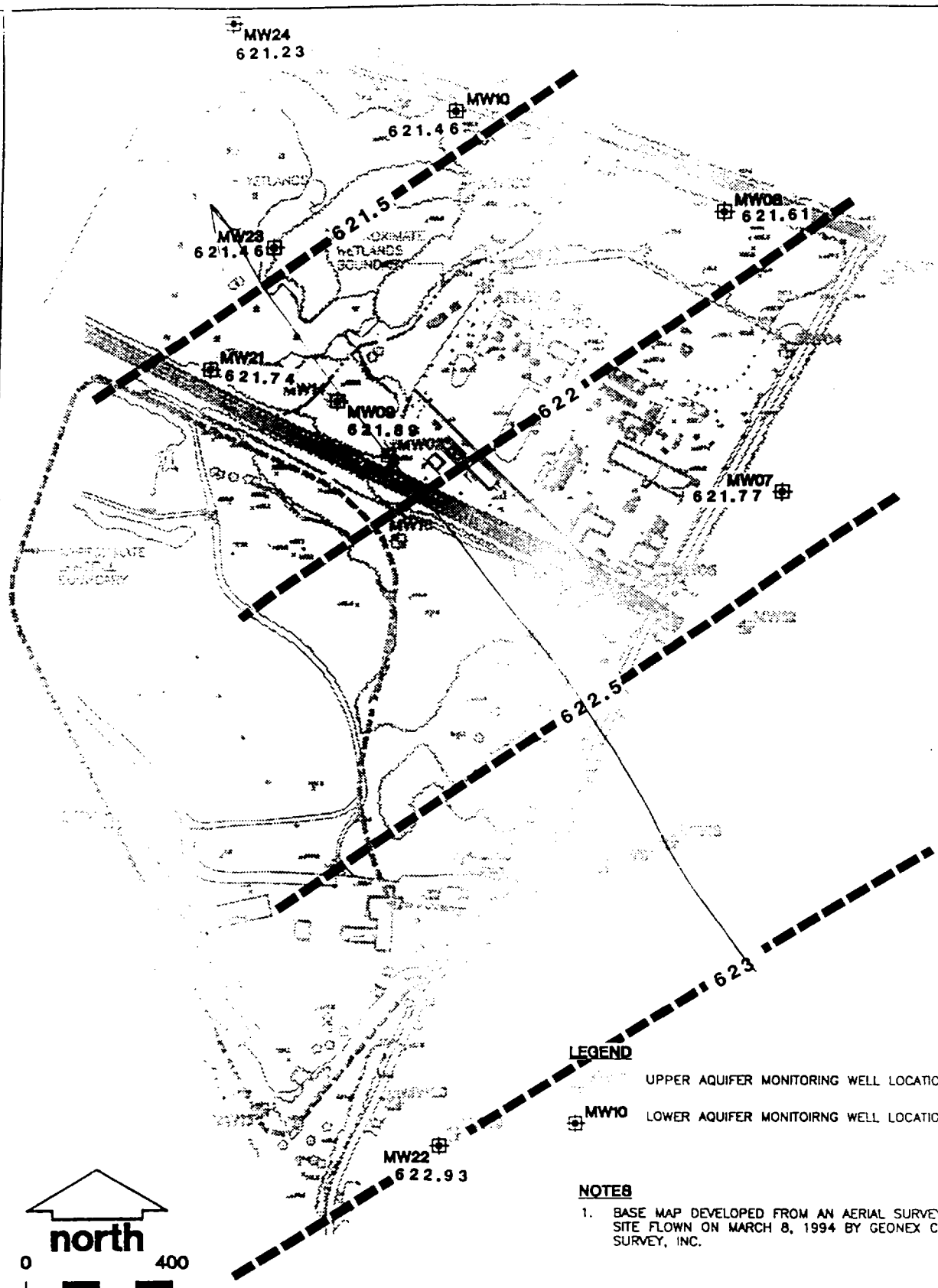
Developed By ACC
Drawn By JSL
Approved By M. Hamper
Date 3/3/95
Reference
Revisions

UPPER AQUIFER BENZENE CONCENTRATION MAP (ug/L)

AMERICAN CHEMICAL SERVICE, INC.
NPL SITE
GRIFFITH, INDIANA

Drawing Number
4077.0030 A

MONTGOMERY WATSON



LEGEND

UPPER AQUIFER MONITORING WELL LOCATION AND NUMBER

MW10 LOWER AQUIFER MONITOIRNG WELL LOCATION AND NUMBER

NOTES

1. BASE MAP DEVELOPED FROM AN AERIAL SURVEY MAP OF THE SITE FLOWN ON MARCH 8, 1994 BY GEONEX CHICAGO AERIAL SURVEY, INC.

north

0 400

SCALE IN FEET

FIGURE 4

Developed By ACC	Drawn By JSL	Drawing Number 4077.0030 A32
Approved By M. Hamper	Date 3/3/95	MONTGOMERY WATSON
Reference	EXPEDITED GROUNDWATER SAMPLING AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	
Revisions		

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Lead Professional
Technical Review
Project Manager
Management Review
Other

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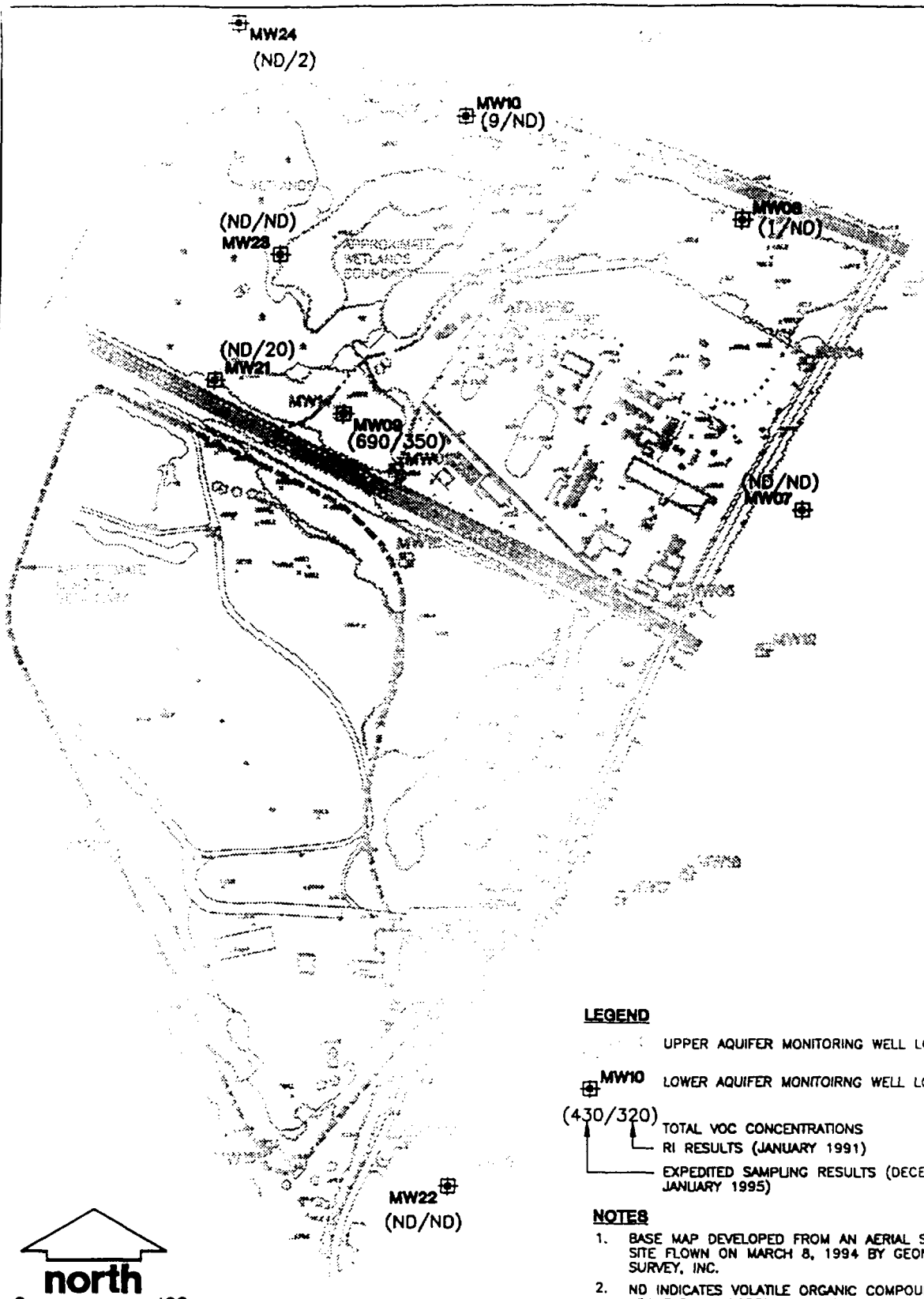

LEGEND

UPPER AQUIFER MONITORING WELL LOCATION AND NUMBER

MW10 LOWER AQUIFER MONITOIRNG WELL LOCATION AND NUMBER

(430/320) TOTAL VOC CONCENTRATIONS
- RI RESULTS (JANUARY 1991)
- EXPEDITED SAMPLING RESULTS (DECEMBER 1994/ JANUARY 1995)

NOTES

1. BASE MAP DEVELOPED FROM AN AERIAL SURVEY MAP OF THE SITE FLOWN ON MARCH 8, 1994 BY GEONEX CHICAGO AERIAL SURVEY, INC.
2. ND INDICATES VOLATILE ORGANIC COMPOUNDS WERE NOT DETECT ABOVE THEIR CORRESPONDING DETECTION LIMITS.
3. TOTAL VOC ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/L).

north

0 400

SCALE IN FEET

FIGURE 5

Developed By ACC	Drawn By JSL	**LOWER AQUIFER TOTAL CONCENTRATION COMPARISON MAP (ug/L)**	Drawing Number 4077.0030 A2
Approved By M. Hamper	Date 3/3/95	EXPEDITED GROUNDWATER SAMPLING AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA	MONTGOMERY WATSON
Reference			
Revisions			

QUALITY CONTROL
Graphic Standards
Lead Professional
Technical Review
Project Manager
Management Review
Other

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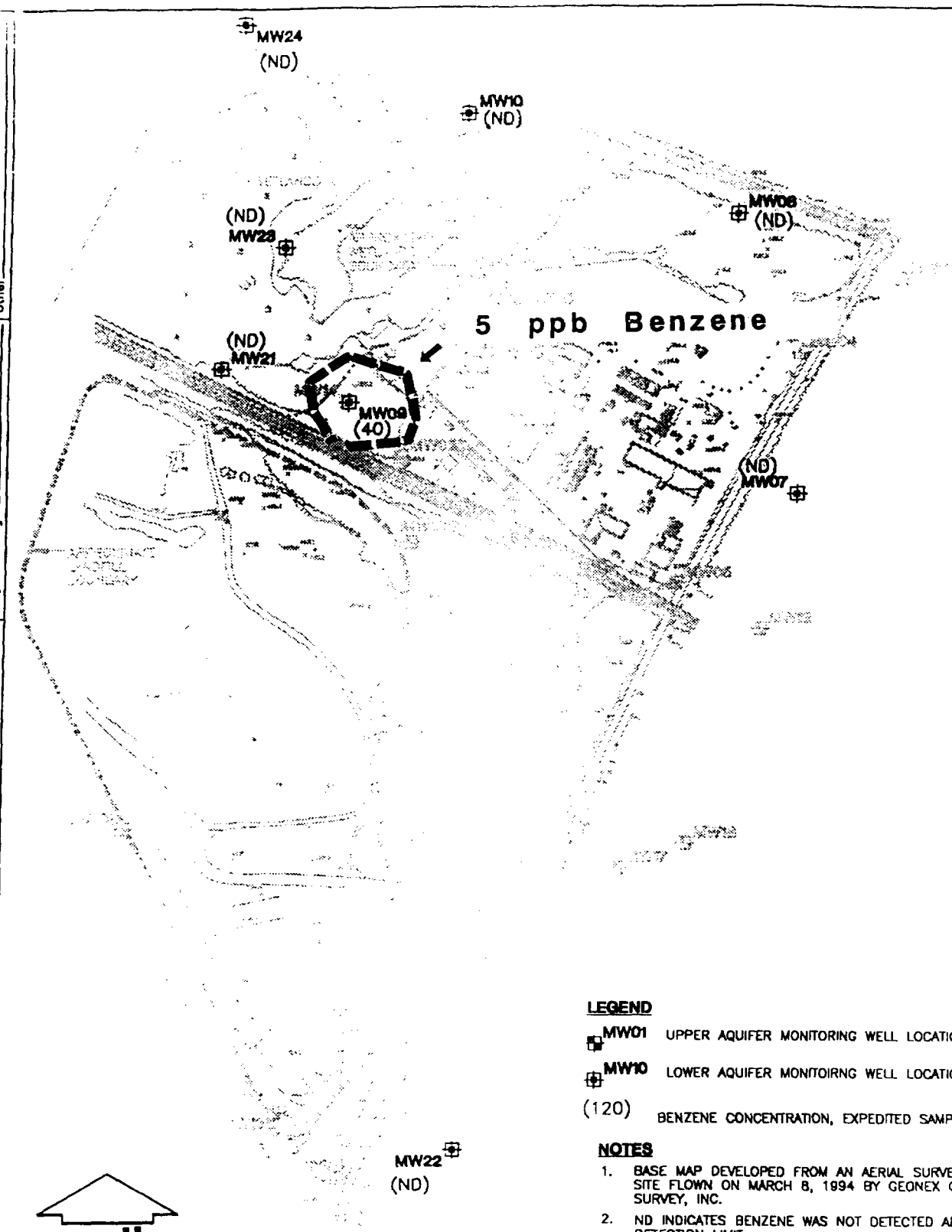

LEGEND

MW01 UPPER AQUIFER MONITORING WELL LOCATION AND NUMBER

MW10 LOWER AQUIFER MONITOIRNG WELL LOCATION AND NUMBER

(120) BENZENE CONCENTRATION, EXPEDITED SAMPLING (ug/L)

NOTES

1. BASE MAP DEVELOPED FROM AN AERIAL SURVEY MAP OF THE SITE FLOWN ON MARCH 8, 1994 BY GEONEX CHICAGO AERIAL SURVEY, INC.
2. ND INDICATES BENZENE WAS NOT DETECTED ABOVE THE DETECTION LIMIT.
3. BENZENE ANALYTICAL RESULTS ARE REPORTED IN MICROGRAMS PER LITER (ug/L).

north

0 400

SCALE IN FEET

FIGURE 6

Developed By ACC	Drawn By JSL	LOWER AQUIFER BENZENE CONCENTRATION MAP (ug/L)
Approved By M. Hampu	Date 3/3/95	
Reference		AMERICAN CHEMICAL SERVICE, INC. NPL SITE GRIFFITH, INDIANA
Revisions		

Drawing Number 4077.0030 A30

MONTGOMERY WATSON

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MONTGOMERY WATSON

December 9, 1994

William Bolen
Remedial Project Manager
HSRL-6J
United States Environmental Protection Agency-RegionV
77 West Jackson Boulevard
Chicago, Illinois 60604-3590

Re: Groundwater Monitoring Well Sampling
ACS NPL Site
Griffith, Indiana

Dear Mr. Bolen:

As you requested in our meeting of December 6, 1994, Montgomery Watson Americas, Inc. (Montgomery Watson) has prepared a Work Plan to conduct the sampling of the groundwater monitoring wells at the American Chemical Service, Inc. National Priorities List (NPL) site, Griffith, Indiana.

Each of the existing 23 groundwater monitoring wells will be sampled. Sample collection, preservation, chain-of-custody protocol, sample handling, shipment, QA/QC samples, and laboratory analysis will be conducted in accordance with the Quality Assurance Project Plan (QAPP) utilized during the Remedial Investigation (1989). The groundwater sample numbers, locations, analyses, rationale, and validation are outlined below.

Groundwater Monitoring Well Sampling

The purpose of the groundwater sampling is to determine the current status of the groundwater contaminant plume. The data will be evaluated to determine the need for sampling of residential wells. The data will be also be used, in conjunction with future Pre-Design studies, to determine the location of additional groundwater monitoring wells, as appropriate.

One round of groundwater samples will be collected from the existing 23 monitoring wells (MW2 through MW24) (Figure 1). Groundwater samples from each well will be analyzed for volatile organic compounds (VOCs) (full TCL VOC scan), semi-volatile organic compounds (SVOCs) (full TCL scan), polychlorinated biphenyls (PCBs), arsenic, beryllium, thallium, and manganese, which includes each of the target compounds/analytes required by the Statement of Work (SOW), Section II. F.2. (i.e., Appendix B of the SOW). A copy of Appendix B is attached. The metals analyses will be performed on both filtered and unfiltered samples. Water

2100 Corporate Drive
Addison, Illinois
60101

Tel: 708 691 5000
Fax: 708 691 5133

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levels will also be measured at each of the existing monitoring wells, staff gauges, and piezometers.

Laboratory Analysis/Data Validation

Analysis will be performed in accordance with the Contract Laboratory Program (CLP) Statement Of Work (SOW). TCL organic laboratory analysis will be performed by IEA Analytical Laboratory, North Carolina. Metals analysis will be performed at Montgomery Watson's analytical laboratory, Madison, Wisconsin. Lab analyses will be performed at Data Quality Objective (DQO) Level 4 (i.e., CLP data packages). Montgomery Watson will validate the data following the procedures required by the QAPP.

Schedule

We will begin soon after your approval is received. It is our hope to complete the sampling in 1994. Sample results should be available for validation in four weeks after completion of the sampling. Validation and tabulation of the data will be completed within three weeks after receipt of all of the sample results.

If you have any questions, please contact me at (708) 691-5065 or Joe Adams at (708) 691-5020 for assistance.

Sincerely,

MONTGOMERY WATSON AMERICAS, INC.

Martin J. Hamper
Project Manager

Joseph D. Adams
Vice President

Attachments:
Figure 1
Appendix B of the SOW

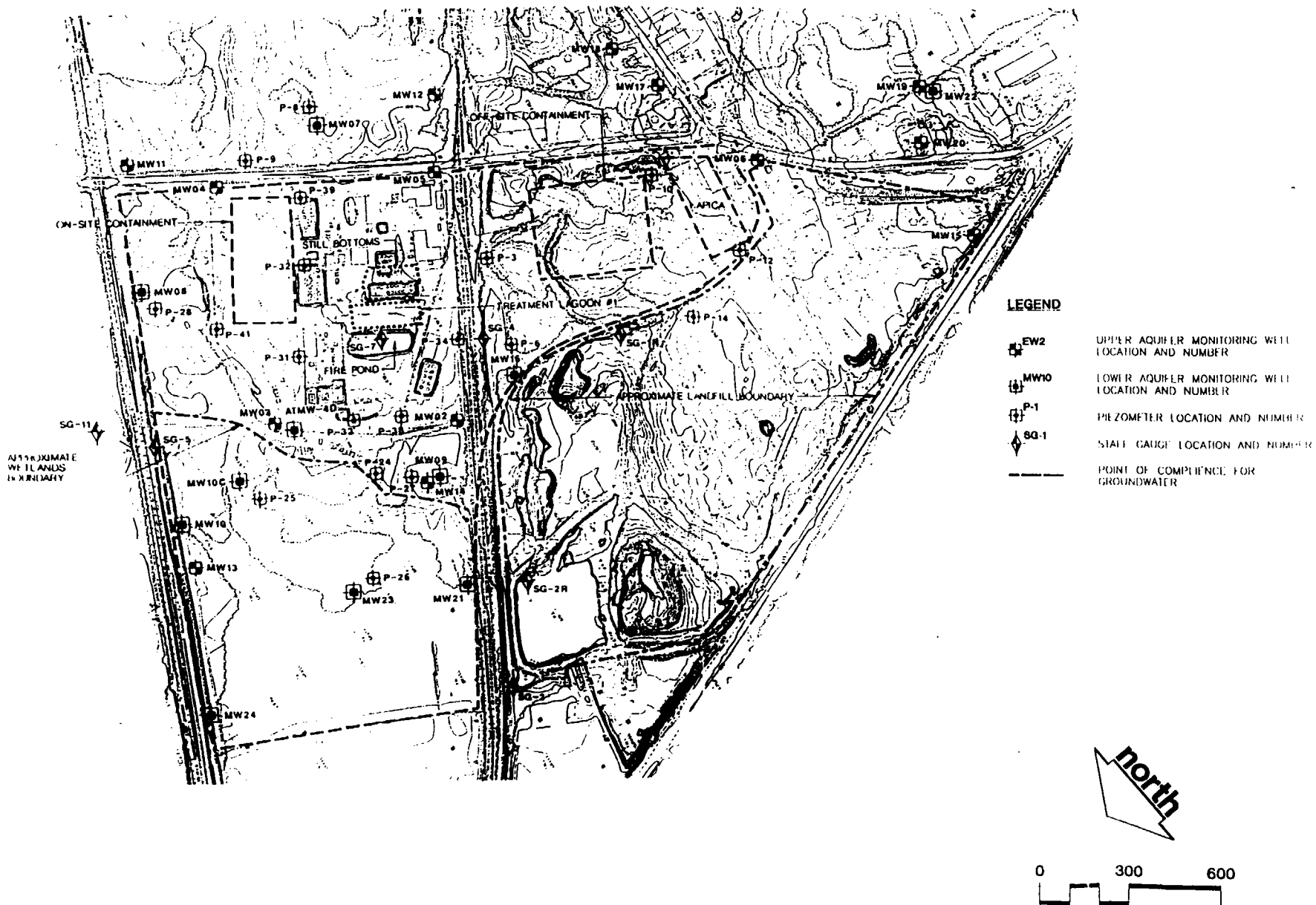
cc: H. Gredja
B. Magel

J:\40770030\PLANS\GWWORKPL.WPD
40770030\plans

APPENDIX B

Final Remediation Levels from ROD			Corresponding Risk	
Chemical	Remediation Level ug/L	Basis	Cancer	NonCancer
Benzene	5.0	MCL	6.5E-07	NA
Vinyl Chloride	0.25	Risk	1.0E-06	NA
PCBs	0.06	Risk	1.0E-06	NA
bis(2-Chloro-ethyl)ether	21.0	Risk	1.0E-06	NA
Arsenic	8.8	Risk	1.0E-06	<.01
PCE	5.0	MCL	6.2E-07	NA
Methylene Chloride	5.0	MCL	5.4E-07	NA
Chloromethane	8.4	Risk	1.0E-06	NA
Beryllium	0.02	Risk	1.0E-06	NA
Trichloroethene	5.0	MCL	2.1E-07	NA
bis(2-Ethylhexyl) phthalate	5.8	Risk	1.0E-06	NA
Cyclic Ketones	5.8	Risk	1.0E-06	NA
Pentachlorophenol	1.0	MCL	1.5E-06	NA
1,4-Dichlorobenzene	3.3	Risk	1.0E-06	NA
Isophorone	19	Risk	1.0E-06	NA
2-Butanone	24,000 - 2,000	HI	NA	1.0-0.08
4-Methyl-2-pentanone	640 - 53	HI	NA	1.0-0.08
Non-Cyclic Acids	280 - 23	HI	NA	1.0-0.08
Acetone	2,300 - 192	HI	NA	1.0-0.08
Branched Alkanes	210 - 18	HI	NA	1.0-0.08

Ethylbenzene	390 - 33	HI	NA	1.0-0.08
Thallium	2.4 - 0.2	HI	NA	1.0-0.08
Dimethyl Ethyl Benzenes	250 - 21	HI	NA	1.0-0.08
1,2-Dichloroethene (cis)	330 - 28	HI	NA	1.0-0.08
Manganese	3,300 - 275	HI	NA	1.0-0.08
4-Methylphenol	1,700 - 142	HI	NA	1.0-0.08
1,1-Dichloroethane	2,200 - 183	HI	NA	1.0-0.08



MONITORING WELL LOCATION MAP

EXPEDITED SAMPLING ACTIVITIES
AMERICAN CHEMICAL SERVICES INC
NPL SITE
GRIFFITH, INDIANA

Developed By PMS, DAP
Drawn By TMS, LCL
Approved By M. Hansen
Date 12-4-92
Reference
Revisions

Drawing Number
20007030 E

MONTGOMERY WATSON

B

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 5
77 WEST JACKSON BOULEVARD
CHICAGO, IL 60604-3590

REPLY TO THE ATTENTION OF

December 23, 1994

HSRL-6J

Mr. Joe Adams
Vice President
Montgomery Watson
2100 Corporate Drive
Addison, Illinois 60101

Re: ACS/Groundwater Monitoring Well Sampling

Dear Mr. Adams:

In regards to your groundwater monitoring well sampling proposal of December 9, 1994 at the ACS site, the USEPA and IDEM have the following comments:

1. The data gathered during this sampling event shall be utilized to determine the current areal extent of groundwater contamination. After review of this data, the need for additional monitoring wells will be evaluated. It is inappropriate to assume that this sampling round alone will allow a determination to be made in regards to the need to sample residential wells.

2. The potential need for additional monitoring wells after this sampling event shall specifically address lower aquifer contamination. A thorough re-evaluation of the extent of lower aquifer of contamination is necessary, especially given the presence of DNAPL-type contaminants at the site.

3. Adequate notification must be given to the USEPA and IDEM as to the initiation of this work so that the appropriate oversight personnel may be on-site to observe and/or split samples.

If you have any further questions concerning this matter, please contact me at your convenience.

Sincerely,

William J. Bolen
USEPA RPM

cc: H. Grejda
S. Siegel

Printed on Recycled Paper

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GML Type: VOC
Generated by: CAW
Date Issued: 09-MAR-95

Parameter	ACS-GWMW04D-01 01/26/95			ACS-GWMW04S-01 01/26/95			ACS-GWTB01-01 01/25/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	100.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	100.		U/	10.
Vinyl chloride (UG/L)		U/	10.		U/	100.		U/	10.
Chloroethane (UG/L)		U/	10.	1300.	/	100.		U/	10.
Methylene chloride (UG/L)		U/	10.		U/	100.		U/	10.
Acetone (UG/L)		U/	10.		U/	100.		U/	10.
Carbon disulfide (UG/L)		U/	10.		U/	100.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	100.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	100.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	10.	37.	J/	100.		U/	10.
Chloroform (UG/L)		U/	10.		U/	100.		U/	10.
1,2-Dichloroethane (UG/L)		U/	10.		U/	100.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	100.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	100.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	100.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	100.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	100.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	100.		U/	10.
Trichloroethene (UG/L)		U/	10.		U/	100.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	100.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	100.		U/	10.
Benzene (UG/L)		U/	10.	570.	/	100.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	100.		U/	10.
Bromoform (UG/L)		U/	10.		U/	100.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.	63.	J/	100.		U/	10.
2-Hexanone (UG/L)		U/	10.		U/	100.		U/	10.
Tetrachloroethene (UG/L)		U/	10.		U/	100.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	100.		U/	10.
Toluene (UG/L)		U/	10.		U/	100.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	100.		U/	10.
Ethylbenzene (UG/L)		U/	10.		U/	100.		U/	10.
Styrene (UG/L)		U/	10.		U/	100.		U/	10.
Xylenes (total) (UG/L)		U/	10.		U/	100.		U/	10.
Tetrahydrofuran (UG/L)		U/	10.	3800.	/	100.		U/	10.

Note: Conc - Concentration of parameter detected in the sample, LQ/DVQ - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC
Generated by: CAW
Date Issued: 09-MAR-95

Parameter	ACS-GWFB01-01 12/30/94			ACS-GWFB02-01 01/03/95			ACS-GWFB03-01 01/05/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	10.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	10.		U/	10.
Vinyl chloride (UG/L)		U/	10.		U/	10.		U/	10.
Chloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Methylene chloride (UG/L)		U/	10.		U/	10.		U/	10.
Acetone (UG/L)		U/	10.		U/	10.		U/	10.
Carbon disulfide (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	10.		U/	10.		U/	10.
Chloroform (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethane (UG/L)	2.	J/	10.		U/	10.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	10.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	10.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	10.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Trichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Benzene (UG/L)		U/	10.		U/	10.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Bromoform (UG/L)		U/	10.		U/	10.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	10.		U/	10.
2-Hexanone (UG/L)		U/	10.		U/	10.		U/	10.
Tetrachloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Toluene (UG/L)		U/	10.		U/	10.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Ethylbenzene (UG/L)		U/	10.		U/	10.		U/	10.
Styrene (UG/L)		U/	10.		U/	10.		U/	10.
Xylenes (total) (UG/L)		U/	10.		U/	10.		U/	10.

Note: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW03-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW04-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW05-01 12/30/94 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	2000.		U/	10.		U/	20.
Bromomethane (UG/L)		U/	2000.		U/	10.		U/	20.
Vinyl chloride (UG/L)		U/	2000.		U/	10.	16.	J/	20.
Chloroethane (UG/L)	970.	J/	2000.	66.	/	10.	26.	/	20.
Methylene chloride (UG/L)		U/	2000.		U/	10.		U/	20.
Acetone (UG/L)		U/	2000.		U/	10.		U/	20.
Carbon disulfide (UG/L)		U/	2000.		U/	10.		U/	20.
1,1-Dichloroethene (UG/L)		U/	2000.		U/	10.		U/	20.
1,1-Dichloroethane (UG/L)		U/	2000.		U/	10.	26.	/	20.
1,2-Dichloroethene (total) (UG/L)		U/	2000.		U/	10.	14.	J/	20.
Chloroform (UG/L)		U/	2000.		U/	10.		U/	20.
1,2-Dichloroethane (UG/L)		U/	2000.		U/	10.		U/	20.
2-Butanone (UG/L)		U/	2000.		U/	10.		U/	20.
1,1,1-Trichloroethane (UG/L)		U/	2000.		U/	10.		U/	20.
Carbon tetrachloride (UG/L)		U/	2000.		U/	10.		U/	20.
Bromodichloromethane (UG/L)		U/	2000.		U/	10.		U/	20.
1,2-Dichloropropane (UG/L)		U/	2000.		U/	10.		U/	20.
cis-1,3-Dichloropropene (UG/L)		U/	2000.		U/	10.		U/	20.
Trichloroethene (UG/L)		U/	2000.		U/	10.		U/	20.
Dibromochloromethane (UG/L)		U/	2000.		U/	10.		U/	20.
1,1,2-Trichloroethane (UG/L)		U/	2000.		U/	10.		U/	20.
Benzene (UG/L)	27000.	/	2000.	120.	/	10.	350.	/	20.
trans-1,3-Dichloropropene (UG/L)		U/	2000.		U/	10.		U/	20.
Bromoform (UG/L)		U/	2000.		U/	10.		U/	20.
4-Methyl-2-pentanone (UG/L)		U/	2000.		U/	10.	6.	J/	20.
2-Hexanone (UG/L)		U/	2000.		U/	10.		U/	20.
Tetrachloroethene (UG/L)		U/	2000.		U/	10.		U/	20.
1,1,2,2-Tetrachloroethane (UG/L)		U/	2000.		U/	10.		U/	20.
Toluene (UG/L)		U/	2000.		U/	10.	6.	J/	20.
Chlorobenzene (UG/L)		U/	2000.		U/	10.	34.	/	20.
Ethylbenzene (UG/L)	690.	J/	2000.		U/	10.	3.	J/	20.
Styrene (UG/L)		U/	2000.		U/	10.		U/	20.
Xylenes (total) (UG/L)	750.	J/	2000.		U/	10.	83.	/	20.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW06-01 12/30/94			ACS-GWMW07-01 01/03/95			ACS-GWMW07-91 01/03/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	200.		U/	10.		U/	10.
Bromomethane (UG/L)		U/	200.		U/	10.		U/	10.
Vinyl chloride (UG/L)		U/	200.		U/	10.		U/	10.
Chloroethane (UG/L)	530.	/	200.		U/	10.		U/	10.
Methylene chloride (UG/L)		U/	200.		U/	10.		U/	10.
Acetone (UG/L)		U/	200.		/U	12.		/U	12.
Carbon disulfide (UG/L)		U/	200.		U/	10.		U/	10.
1,1-Dichloroethene (UG/L)		U/	200.		U/	10.		U/	10.
1,1-Dichloroethane (UG/L)		U/	200.		U/	10.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	200.		U/	10.		U/	10.
Chloroform (UG/L)		U/	200.		U/	10.		U/	10.
1,2-Dichloroethane (UG/L)		U/	200.		U/	10.		U/	10.
2-Butanone (UG/L)		U/	200.		U/	10.	1.	J/	10.
1,1,1-Trichloroethane (UG/L)		U/	200.		U/	10.		U/	10.
Carbon tetrachloride (UG/L)		U/	200.		U/	10.		U/	10.
Bromodichloromethane (UG/L)		U/	200.		U/	10.		U/	10.
1,2-Dichloropropane (UG/L)		U/	200.		U/	10.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	200.		U/	10.		U/	10.
Trichloroethene (UG/L)		U/	200.		U/	10.		U/	10.
Dibromochloromethane (UG/L)		U/	200.		U/	10.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	200.		U/	10.		U/	10.
Benzene (UG/L)	3000.	/	200.		U/	10.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	200.		U/	10.		U/	10.
Bromoform (UG/L)		U/	200.		U/	10.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	200.		U/	10.		U/	10.
2-Hexanone (UG/L)		U/	200.		U/	10.		U/	10.
Tetrachloroethene (UG/L)		U/	200.		U/	10.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	200.		U/	10.		U/	10.
Toluene (UG/L)		U/	200.		U/	10.		U/	10.
Chlorobenzene (UG/L)		U/	200.		U/	10.		U/	10.
Ethylbenzene (UG/L)	770.	/	200.		U/	10.		U/	10.
Styrene (UG/L)		U/	200.		U/	10.		U/	10.
Xylenes (total) (UG/L)	5900.	/	200.		U/	10.		U/	10.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW08-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW09-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW10-01 01/04/95 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	40.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	40.		U/	10.
Vinyl chloride (UG/L)		U/	10.		U/	40.		U/	10.
Chloroethane (UG/L)		U/	10.	650.	/	40.		U/	10.
Methylene chloride (UG/L)		U/	10.		U/	40.		U/	10.
Acetone (UG/L)		U/	10.		U/	40.		U/	10.
Carbon disulfide (UG/L)		U/	10.		U/	40.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	40.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	40.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	10.		U/	40.		U/	10.
Chloroform (UG/L)		U/	10.		U/	40.		U/	10.
1,2-Dichloroethane (UG/L)		U/	10.		U/	40.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	40.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	40.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	40.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	40.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	40.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	40.		U/	10.
Trichloroethene (UG/L)		U/	10.		U/	40.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	40.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	40.		U/	10.
Benzene (UG/L)		U/	10.	40.	J/	40.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	40.		U/	10.
Bromoform (UG/L)		U/	10.		U/	40.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	40.	9.	J/	10.
2-Hexanone (UG/L)		U/	10.		U/	40.		U/	10.
Tetrachloroethene (UG/L)		U/	10.		U/	40.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	40.		U/	10.
Toluene (UG/L)		U/	10.		U/	40.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	40.		U/	10.
Ethylbenzene (UG/L)		U/	10.		U/	40.		U/	10.
Styrene (UG/L)		U/	10.		U/	40.		U/	10.
Xylenes (total) (UG/L)	1.	J/	10.		U/	40.		U/	10.

Note: CONC = Concentration of the parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW11-01 01/03/95 CONC	LQ/DVQ	RDL	ACS-GWMW12-01 01/03/95 CONC	LQ/DVQ	RDL	ACS-GWMW13-01 01/04/95 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	10.		U/	50.
Bromomethane (UG/L)		U/	10.		U/	10.		U/	50.
Vinyl chloride (UG/L)		U/	10.		U/	10.		U/	50.
Chloroethane (UG/L)		U/	10.	2.	J/	10.	770.	/	50.
Methylene chloride (UG/L)		U/	10.		U/	10.		U/	50.
Acetone (UG/L)		U/	10.		B/U	10.		U/	50.
Carbon disulfide (UG/L)		U/	10.		U/	10.		U/	50.
1,1-Dichloroethene (UG/L)		U/	10.		U/	10.		U/	50.
1,1-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	50.
1,2-Dichloroethene (total) (UG/L)		U/	10.		U/	10.		U/	50.
Chloroform (UG/L)		U/	10.		U/	10.		U/	50.
1,2-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	50.
2-Butanone (UG/L)		U/	10.		U/	10.		U/	50.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	50.
Carbon tetrachloride (UG/L)		U/	10.		U/	10.		U/	50.
Bromodichloromethane (UG/L)		U/	10.		U/	10.		U/	50.
1,2-Dichloropropane (UG/L)		U/	10.		U/	10.		U/	50.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	50.
Trichloroethene (UG/L)		U/	10.		U/	10.		U/	50.
Dibromochloromethane (UG/L)		U/	10.		U/	10.		U/	50.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	50.
Benzene (UG/L)		U/	10.	2.	J/	10.		U/	50.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	50.
Bromoform (UG/L)		U/	10.		U/	10.		U/	50.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	10.		U/	50.
2-Hexanone (UG/L)		U/	10.		U/	10.		U/	50.
Tetrachloroethene (UG/L)		U/	10.		U/	10.		U/	50.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	10.		U/	50.
Toluene (UG/L)		U/	10.		U/	10.		U/	50.
Chlorobenzene (UG/L)		U/	10.	4.	J/	10.		U/	50.
Ethylbenzene (UG/L)		U/	10.		U/	10.		U/	50.
Styrene (UG/L)		U/	10.		U/	10.		U/	50.
Xylenes (total) (UG/L)		U/	10.		U/	10.		U/	50.

Note: Conc - Concentration of parameter detected in the sample, LQ/DVQ - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW14-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW15-01 01/05/95 CONC	LQ/DVQ	RDL	ACS-GWMW16-01 01/04/95 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	40.		U/	10.		U/	1000.
Bromomethane (UG/L)		U/	40.		U/	10.		U/	1000.
Vinyl chloride (UG/L)		U/	40.		U/	10.		U/	1000.
Chloroethane (UG/L)	660.	/	40.		U/	10.	3100.	/	1000.
Methylene chloride (UG/L)		U/	40.		U/	10.		U/	1000.
Acetone (UG/L)	47.	/	40.		U/	10.	7700.	/	1000.
Carbon disulfide (UG/L)		U/	40.		U/	10.		U/	1000.
1,1-Dichloroethene (UG/L)		U/	40.		U/	10.		U/	1000.
1,1-Dichloroethane (UG/L)		U/	40.		U/	10.		U/	1000.
1,2-Dichloroethene (total) (UG/L)	24.	J/	40.		U/	10.	140.	J/	1000.
Chloroform (UG/L)		U/	40.		U/	10.		U/	1000.
1,2-Dichloroethane (UG/L)		U/	40.		U/	10.		U/	1000.
2-Butanone (UG/L)		U/	40.		U/	10.	15000.	/	1000.
1,1,1-Trichloroethane (UG/L)		U/	40.		U/	10.		U/	1000.
Carbon tetrachloride (UG/L)		U/	40.		U/	10.		U/	1000.
Bromodichloromethane (UG/L)		U/	40.		U/	10.		U/	1000.
1,2-Dichloropropane (UG/L)		U/	40.		U/	10.		U/	1000.
cis-1,3-Dichloropropene (UG/L)		U/	40.		U/	10.		U/	1000.
Trichloroethene (UG/L)		U/	40.		U/	10.		U/	1000.
Dibromochloromethane (UG/L)		U/	40.		U/	10.		U/	1000.
1,1,2-Trichloroethane (UG/L)		U/	40.		U/	10.		U/	1000.
Benzene (UG/L)	440.	/	40.	2.	J/	10.	2000.	/	1000.
trans-1,3-Dichloropropene (UG/L)		U/	40.		U/	10.		U/	1000.
Bromoform (UG/L)		U/	40.		U/	10.		U/	1000.
4-Methyl-2-pentanone (UG/L)		U/	40.		U/	10.	14000.	/	1000.
2-Hexanone (UG/L)		U/	40.		U/	10.		U/	1000.
Tetrachloroethene (UG/L)		U/	40.		U/	10.		U/	1000.
1,1,2,2-Tetrachloroethane (UG/L)		U/	40.		U/	10.		U/	1000.
Toluene (UG/L)		U/	40.		U/	10.		U/	1000.
Chlorobenzene (UG/L)		U/	40.		U/	10.		U/	1000.
Ethylbenzene (UG/L)		U/	40.		U/	10.		U/	1000.
Styrene (UG/L)		U/	40.		U/	10.		U/	1000.
Xylenes (total) (UG/L)		U/	40.		U/	10.		U/	1000.

Note: CONC = Concentration of parameter [illegible] sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW17-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW18-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW19-01 12/30/94 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	10.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	10.		U/	10.
Vinyl chloride (UG/L)	2.	J/	10.		U/	10.		U/	10.
Chloroethane (UG/L)		U/	10.		U/	10.	22.	/	10.
Methylene chloride (UG/L)		U/	10.		U/	10.		U/	10.
Acetone (UG/L)		U/	10.		U/	10.		U/	10.
Carbon disulfide (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethene (total) (UG/L)	9.	J/	10.		U/	10.		U/	10.
Chloroform (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	10.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	10.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	10.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Trichloroethene (UG/L)	1.	J/	10.		U/	10.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Benzene (UG/L)		U/	10.		U/	10.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.	2.	J/	10.
Bromoform (UG/L)		U/	10.		U/	10.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	10.		U/	10.
2-Hexanone (UG/L)		U/	10.		U/	10.		U/	10.
Tetrachloroethene (UG/L)	4.	J/	10.		U/	10.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Toluene (UG/L)		U/	10.		U/	10.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Ethylbenzene (UG/L)	2.	J/	10.		U/	10.		U/	10.
Styrene (UG/L)		U/	10.		U/	10.		U/	10.
Xylenes (total) (UG/L)		U/	10.		U/	10.		U/	10.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW20-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW21-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW21-91 01/04/95 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	10.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	10.		U/	10.
Vinyl chloride (UG/L)		U/	10.		U/	10.		U/	10.
Chloroethane (UG/L)	79.	/	10.		U/	10.		U/	10.
Methylene chloride (UG/L)		U/	10.		U/	10.		U/	10.
Acetone (UG/L)		U/	10.		U/	10.		U/	10.
Carbon disulfide (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	10.		U/	10.		U/	10.
Chloroform (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	10.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	10.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	10.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Trichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Benzene (UG/L)	14.	/	10.		U/	10.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Bromoform (UG/L)		U/	10.		U/	10.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	10.		U/	10.
2-Hexanone (UG/L)		U/	10.		U/	10.		U/	10.
Tetrachloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Toluene (UG/L)		U/	10.		U/	10.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Ethylbenzene (UG/L)		U/	10.		U/	10.		U/	10.
Styrene (UG/L)		U/	10.		U/	10.		U/	10.
Xylenes (total) (UG/L)		U/	10.		U/	10.		U/	10.

Notes: CONC = Concentration of parameter detected in the sample; LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier; RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW22-01 12/30/94			ACS-GWMW22-91 12/30/94			ACS-GWMW23-01 01/05/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	10.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	10.		U/	10.
Vinyl chloride (UG/L)		U/	10.		U/	10.		U/	10.
Chloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Methylene chloride (UG/L)		U/	10.		U/	10.		U/	10.
Acetone (UG/L)		U/	10.		U/	10.		U/	10.
Carbon disulfide (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	10.		U/	10.		U/	10.
Chloroform (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	10.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	10.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	10.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Trichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Benzene (UG/L)		U/	10.		U/	10.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Bromoform (UG/L)		U/	10.		U/	10.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	10.		U/	10.
2-Hexanone (UG/L)		U/	10.		U/	10.		U/	10.
Tetrachloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Toluene (UG/L)		U/	10.		U/	10.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Ethylbenzene (UG/L)		U/	10.		U/	10.		U/	10.
Styrene (UG/L)		U/	10.		U/	10.		U/	10.
Xylenes (total) (UG/L)		U/	10.		U/	10.		U/	10.

CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWMW24-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWTB01-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWTB02-01 01/03/95 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	10.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	10.		U/	10.
Vinyl chloride (UG/L)		U/	10.		U/	10.		U/	10.
Chloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Methylene chloride (UG/L)		U/	10.		U/	10.		U/	10.
Acetone (UG/L)		U/	10.		U/	10.	14.	/	10.
Carbon disulfide (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	10.		U/	10.		U/	10.
Chloroform (UG/L)		U/	10.		U/	10.	1.	J/	10.
1,2-Dichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	10.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	10.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	10.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Trichloroethene (UG/L)		U/	10.		U/	10.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Benzene (UG/L)		U/	10.		U/	10.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.		U/	10.
Bromoform (UG/L)		U/	10.		U/	10.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	10.		U/	10.
2-Hexanone (UG/L)		U/	10.		U/	10.		U/	10.
Tetrachloroethene (UG/L)		U/	10.		U/	10.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Toluene (UG/L)		U/	10.		U/	10.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Ethylbenzene (UG/L)		U/	10.		U/	10.		U/	10.
Styrene (UG/L)		U/	10.		U/	10.		U/	10.
Xylenes (total) (UG/L)		U/	10.		U/	10.		U/	10.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: VOC

Parameter	ACS-GWTB03-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWTB04-01 01/05/95 CONC	LQ/DVQ	RDL
Chloromethane (UG/L)		U/	10.		U/	10.
Bromomethane (UG/L)		U/	10.		U/	10.
Vinyl chloride (UG/L)		U/	10.		U/	10.
Chloroethane (UG/L)		U/	10.		U/	10.
Methylene chloride (UG/L)		U/	10.		U/	10.
Acetone (UG/L)		U/	10.		U/	10.
Carbon disulfide (UG/L)		U/	10.		U/	10.
1,1-Dichloroethene (UG/L)		U/	10.		U/	10.
1,1-Dichloroethane (UG/L)		U/	10.		U/	10.
1,2-Dichloroethene (total) (UG/L)		U/	10.		U/	10.
Chloroform (UG/L)		U/	10.		U/	10.
1,2-Dichloroethane (UG/L)		U/	10.		U/	10.
2-Butanone (UG/L)		U/	10.		U/	10.
1,1,1-Trichloroethane (UG/L)		U/	10.		U/	10.
Carbon tetrachloride (UG/L)		U/	10.		U/	10.
Bromodichloromethane (UG/L)		U/	10.		U/	10.
1,2-Dichloropropane (UG/L)		U/	10.		U/	10.
cis-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.
Trichloroethene (UG/L)		U/	10.		U/	10.
Dibromochloromethane (UG/L)		U/	10.		U/	10.
1,1,2-Trichloroethane (UG/L)		U/	10.		U/	10.
Benzene (UG/L)		U/	10.		U/	10.
trans-1,3-Dichloropropene (UG/L)		U/	10.		U/	10.
Bromoform (UG/L)		U/	10.		U/	10.
4-Methyl-2-pentanone (UG/L)		U/	10.		U/	10.
2-Hexanone (UG/L)		U/	10.		U/	10.
Tetrachloroethene (UG/L)		U/	10.		U/	10.
1,1,2,2-Tetrachloroethane (UG/L)		U/	10.		U/	10.
Toluene (UG/L)		U/	10.		U/	10.
Chlorobenzene (UG/L)		U/	10.		U/	10.
Ethylbenzene (UG/L)		U/	10.		U/	10.
Styrene (UG/L)		U/	10.		U/	10.
Xylenes (total) (UG/L)		U/	10.		U/	10.

Note: Conc = Concentration of parameter detected in the sample LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC
Generated by: CAW
Date Issued: 09-MAR-95

Parameter	ACS-GWFB01-01 12/30/94			ACS-GWFB02-01 01/03/95			ACS-GWFB03-01 01/05/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethyl) ether (UG/L)		U/	10.		U/	10.		U/	10.
2-Chlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.		U/	10.		U/	10.
4-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	10.		U/	10.
Hexachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Nitrobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Isophorone (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitrophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dimethylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Naphthalene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloroaniline (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylnaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	10.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
2-Chloronaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Dimethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Acenaphthylene (UG/L)		U/	10.		U/	10.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
3-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Acenaphthene (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	25.		U/	25.

Note: Conc = Concentration of parameter detected or "U" = absent, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW03-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW04-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW05-01 12/30/94 CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	20.		U/	10.		U/	10.
bis(2-Chloroethyl) ether (UG/L)	120.	/	20.		U/	10.		U/	10.
2-Chlorophenol (UG/L)		U/	20.		U/	10.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	20.		U/	10.	2.	J/	10.
1,4-Dichlorobenzene (UG/L)		U/	20.		U/	10.	7.	J/	10.
1,2-Dichlorobenzene (UG/L)	51.	/	20.		U/	10.	18.	/	10.
2-Methylphenol (UG/L)		U/	20.		U/	10.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	20.		U/	10.	34.	/	10.
4-Methylphenol (UG/L)		U/	20.		U/	10.	2.	J/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	20.		U/	10.		U/	10.
Hexachloroethane (UG/L)		U/	20.		U/	10.		U/	10.
Nitrobenzene (UG/L)		U/	20.		U/	10.		U/	10.
Isophorone (UG/L)		U/	20.		U/	10.		U/	10.
2-Nitrophenol (UG/L)		U/	20.		U/	10.		U/	10.
2,4-Dimethylphenol (UG/L)	5.	J/	20.		U/	10.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	20.		U/	10.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	20.		U/	10.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	20.		U/	10.		U/	10.
Naphthalene (UG/L)	2.	J/	20.		U/	10.		U/	10.
4-Chloroaniline (UG/L)		U/	20.		U/	10.	2.	J/	10.
Hexachlorobutadiene (UG/L)		U/	20.		U/	10.		U/	10.
4-Chloro-3-methylphenol (UG/L)	9.	J/	20.		U/	10.		U/	10.
2-Methylnaphthalene (UG/L)		U/	20.		U/	10.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	20.		U/	10.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	20.		U/	10.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	50.		U/	10.		U/	10.
2-Chloronaphthalene (UG/L)		U/	20.		U/	25.		U/	25.
2-Nitroaniline (UG/L)		U/	50.		U/	10.		U/	10.
Dimethylphthalate (UG/L)		U/	20.		U/	25.		U/	25.
Acenaphthylene (UG/L)		U/	20		U/	10.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	20.		U/	10.		U/	10.
3-Nitroaniline (UG/L)		U/	50.		U/	10.		U/	10.
Acenaphthene (UG/L)		U/	20		U/	25.		U/	25.
2,4-Dinitrophenol (UG/L)		U/	50		U/	10.		U/	10.
					U/	25.		U/	25.

Note: Conc - Concentration of parameter detected in the sample. LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier. RDL - Reported Detection Limit

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Matrix: GW Type: SVOC

Parameter	ACS-GWMW06-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW07-01 01/03/95 CONC	LQ/DVQ	RDL	ACS-GWMW07-91 01/03/95 CONC	LQ/DVQ	RDL
Phenol (UG/L)	64.	/	10.		U/	10.		U/	10.
bis(2-Chloroethyl) ether (UG/L)	43.	/	10.		U/	10.		U/	10.
2-Chlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.		U/	10.		U/	10.
4-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	10.		U/	10.
Hexachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Nitrobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Isophorone (UG/L)	7.	J/	10.		U/	10.		U/	10.
2-Nitrophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dimethylphenol (UG/L)	58.	/	10.		U/	10.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Naphthalene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloroaniline (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylnaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	10.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
2-Chloronaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Dimethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Acenaphthylene (UG/L)		U/	10.		U/	10.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
3-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Acenaphthene (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	25.		U/	25.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

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Matrix: GW Type: SVOC

Parameter	ACS-GWMW08-01 12/30/94			ACS-GWMW09-01 01/04/95			ACS-GWMW10-01 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethyl) ether (UG/L)		U/	10.	23.	/	10.		U/	10.
2-Chlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.		U/	10.		U/	10.
4-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	10.		U/	10.
Hexachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Nitrobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Isophorone (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitrophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dimethylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Naphthalene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloroaniline (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylnaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	10.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
2-Chloronaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Dimethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Acenaphthylene (UG/L)		U/	10.		U/	10.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
3-Nitroaniline (UG/L)		U/	25		U/	25.		U/	25.
Acenaphthene (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	25.		U/	25.

Note: [illegible] concentration of parameter detected in the sample. U/UJ [illegible] Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit

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Matrix: GW Type: SVOC

	ACS-GWMW11-01 01/03/95			ACS-GWMW12-01 01/03/95			ACS-GWMW13-01 01/04/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.		U/	30.		U/	10.
bis(2-Chloroethyl) ether (UG/L)		U/	10.		U/	30.		U/	10.
2-Chlorophenol (UG/L)		U/	10.		U/	30.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	30.		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	30.		U/	10.
1,2-Dichlorobenzene (UG/L)		U/	10.		U/	30.		U/	10.
2-Methylphenol (UG/L)		U/	10.		U/	30.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.	150.	/	30.		U/	10.
4-Methylphenol (UG/L)		U/	10.		U/	30.		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	30.		U/	10.
Hexachloroethane (UG/L)		U/	10.		U/	30.		U/	10.
Nitrobenzene (UG/L)		U/	10.		U/	30.		U/	10.
Isophorone (UG/L)		U/	10.		U/	30.		U/	10.
2-Nitrophenol (UG/L)		U/	10.		U/	30.		U/	10.
2,4-Dimethylphenol (UG/L)		U/	10.		U/	30.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	30.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	30.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	30.		U/	10.
Naphthalene (UG/L)		U/	10.		U/	30.		U/	10.
4-Chloroaniline (UG/L)		U/	10.		U/	30.		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.		U/	30.		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	30.		U/	10.
2-Methylnaphthalene (UG/L)		U/	10.		U/	30.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	30.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	30.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	75.		U/	25.
2-Chloronaphthalene (UG/L)		U/	10.		U/	30.		U/	10.
2-Nitroaniline (UG/L)		U/	25.		U/	75.		U/	25.
Dimethylphthalate (UG/L)		U/	10.		U/	30.		U/	10.
Acenaphthylene (UG/L)		U/	10.		U/	30.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	30.		U/	10.
3-Nitroaniline (UG/L)		U/	25.		U/	75.		U/	25.
Acenaphthene (UG/L)		U/	10.		U/	30.		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	75.		U/	25.

Notes: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

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Matrix: GW Type: SVOC

Parameter	ACS-GWMW14-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW15-01 01/05/95 CONC	LQ/DVQ	RDL	ACS-GWMW16-01 01/04/95 CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.		U/	10.		U/	100.
bis(2-Chloroethyl) ether (UG/L)	20.	/	10.		U/	10.	160.	/	100.
2-Chlorophenol (UG/L)		U/	10.		U/	10.		U/	100.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	100.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	100.
1,2-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	100.
2-Methylphenol (UG/L)		U/	10.		U/	10.		U/	100.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.		U/	10.		U/	100.
4-Methylphenol (UG/L)		U/	10.		U/	10.	560.	/	100.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	10.		U/	100.
Hexachloroethane (UG/L)		U/	10.		U/	10.		U/	100.
Nitrobenzene (UG/L)		U/	10.		U/	10.		U/	100.
Isophorone (UG/L)		U/	10.		U/	10.		U/	100.
2-Nitrophenol (UG/L)		U/	10.		U/	10.		U/	100.
2,4-Dimethylphenol (UG/L)		U/	10.		U/	10.	45.	J/	100.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	10.		U/	100.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	10.		U/	100.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	10.		U/	100.
Naphthalene (UG/L)		U/	10.		U/	10.		U/	100.
4-Chloroaniline (UG/L)		U/	10.		U/	10.		U/	100.
Hexachlorobutadiene (UG/L)		U/	10.		U/	10.		U/	100.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	10.		U/	100.
2-Methylnaphthalene (UG/L)		U/	10.		U/	10.		U/	100.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	10.		U/	100.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	10.		U/	100.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	25.		U/	250.
2-Chloronaphthalene (UG/L)		U/	10.		U/	10.		U/	100.
2-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	250.
Dimethylphthalate (UG/L)		U/	10.		U/	10.		U/	100.
Acenaphthylene (UG/L)		U/	10.		U/	10.		U/	100.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	100.
3-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	250.
Acenaphthene (UG/L)		U/	10.		U/	10.		U/	100.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	25.		U/	250.

Note: Conc = concentration of parameter detected in the [illegible] Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

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Matrix: GW Type: SVOC

Parameter	ACS-GWMW17-01 12/30/94			ACS-GWMW18-01 12/30/94			ACS-GWMW19-01 12/30/94		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethyl) ether (UG/L)		U/	10.		U/	10.	12.	/	10.
2-Chlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichlorobenzene (UG/L)	3.	J/	10.		U/	10.		U/	10.
2-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.		U/	10.	2.	J/	10.
4-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	10.		U/	10.
Hexachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Nitrobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Isophorone (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitrophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dimethylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Naphthalene (UG/L)	2.	J/	10.		U/	10.		U/	10.
4-Chloroaniline (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylnaphthalene (UG/L)	24.	/	10.		U/	10.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	10.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
2-Chloronaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Dimethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Acenaphthylene (UG/L)		U/	10.		U/	10.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
3-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Acenaphthene (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	25.		U/	25.

Notes: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW20-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW21-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW21-91 01/04/95 CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethyl) ether (UG/L)	18.	/	10.		U/	10.		U/	10.
2-Chlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.		U/	10.		U/	10.
4-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	10.		U/	10.
Hexachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Nitrobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Isophorone (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitrophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dimethylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Naphthalene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloroaniline (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylnaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	10.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
2-Chloronaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Dimethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Acenaphthylene (UG/L)		U/	10.		U/	10.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
3-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Acenaphthene (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	25.		U/	25.

Note: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

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American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

	ACS-GWMW22-01 12/30/94			ACS-GWMW22-91 12/30/94			ACS-GWMW23-01 01/05/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethyl) ether (UG/L)		U/	10.		U/	10.		U/	10.
2-Chlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
1,2-Dichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.		U/	10.		U/	10.
4-Methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.		U/	10.		U/	10.
Hexachloroethane (UG/L)		U/	10.		U/	10.		U/	10.
Nitrobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Isophorone (UG/L)		U/	10.		U/	10.		U/	10.
2-Nitrophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dimethylphenol (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Naphthalene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloroaniline (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.		U/	10.		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.		U/	10.		U/	10.
2-Methylnaphthalene (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.		U/	10.		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.		U/	10.		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
2-Chloronaph halene (UG/L)		U/	10.		U/	10.		U/	10.
2 Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Dimethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Acenaphthylene (UG/L)		U/	10.		U/	10.		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
3 Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
Acenaphthene (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.		U/	25.		U/	25.

Note: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

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Matrix: GW Type: SVOC

Parameter	ACS-GWMW24-01 01/04/95 CONC	LQ/DVQ	RDL
Phenol (UG/L)		U/	10.
bis(2-Chloroethyl) ether (UG/L)		U/	10.
2-Chlorophenol (UG/L)		U/	10.
1,3-Dichlorobenzene (UG/L)		U/	10.
1,4-Dichlorobenzene (UG/L)		U/	10.
1,2-Dichlorobenzene (UG/L)		U/	10.
2-Methylphenol (UG/L)		U/	10.
bis(2-Chloroisopropyl)ether (UG/L)		U/	10.
4-Methylphenol (UG/L)		U/	10.
N-Nitroso-di-n-propylamine (UG/L)		U/	10.
Hexachloroethane (UG/L)		U/	10.
Nitrobenzene (UG/L)		U/	10.
Isophorone (UG/L)		U/	10.
2-Nitrophenol (UG/L)		U/	10.
2,4-Dimethylphenol (UG/L)		U/	10.
bis(2-Chloroethoxy)methane (UG/L)		U/	10.
2,4-Dichlorophenol (UG/L)		U/	10.
1,2,4-Trichlorobenzene (UG/L)		U/	10.
Naphthalene (UG/L)		U/	10.
4-Chloroaniline (UG/L)		U/	10.
Hexachlorobutadiene (UG/L)		U/	10.
4-Chloro-3-methylphenol (UG/L)		U/	10.
2-Methylnaphthalene (UG/L)		U/	10.
Hexachlorocyclopentadiene (UG/L)		U/	10.
2,4,6-Trichlorophenol (UG/L)		U/	10.
2,4,5-Trichlorophenol (UG/L)		U/	25.
2-Chloronaphthalene (UG/L)		U/	10.
2-Nitroaniline (UG/L)		U/	25.
Dimethylphthalate (UG/L)		U/	10.
Acenaphthylene (UG/L)		U/	10.
2,6-Dinitrotoluene (UG/L)		U/	10.
3-Nitroaniline (UG/L)		U/	25.
Acenaphthene (UG/L)		U/	10.
2,4-Dinitrophenol (UG/L)		U/	25.

Note: CONC = Concentration [illegible] detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

	ACS-GWFB01-01 12/30/94			ACS-GWFB02-01 01/03/95			ACS-GWFB03-01 01/05/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	25.		U/	25.
Dibenzofuran (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
Diethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Fluorene (UG/L)		U/	10.		U/	10.		U/	10.
4-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	25.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	10.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Pentachlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
Phenanthrene (UG/L)		U/	10.		U/	10.		U/	10.
Anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-butylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Chrysene (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-octyl Phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(b)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(k)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/	10.		U/	10.		U/	10.
Carbazole (UG/L)		U/	10.		U/	10.		U/	10.

Note: CONC - concentration of parameter detected in the sample, LQ/DVQ - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported detection limit.

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American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW03-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW04-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW05-01 12/30/94 CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	50.		U/	25.		U/	25.
Dibenzofuran (UG/L)		U/	20.		U/	10.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	20.		U/	10.		U/	10.
Diethylphthalate (UG/L)	6.	J/	20.		U/	10.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	20.		U/	10.		U/	10.
Fluorene (UG/L)		U/	20.		U/	10.		U/	10.
4-Nitroaniline (UG/L)		U/	50.		U/	25.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	50.		U/	25.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	20.		U/	10.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	20.		U/	10.		U/	10.
Hexachlorobenzene (UG/L)		U/	20.		U/	10.		U/	10.
Pentachlorophenol (UG/L)		U/	50.		U/	25.		U/	25.
Phenanthrene (UG/L)		U/	20.		U/	10.		U/	10.
Anthracene (UG/L)		U/	20.		U/	10.		U/	10.
Di-n-butylphthalate (UG/L)		U/	20.		U/	10.		U/	10.
Fluoranthene (UG/L)		U/	20.		U/	10.		U/	10.
Pyrene (UG/L)		U/	20.		U/	10.		U/	10.
Butylbenzylphthalate (UG/L)		U/	20.		U/	10.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	20.		U/	10.		U/	10.
Benzo(a)anthracene (UG/L)		U/	20.		U/	10.		U/	10.
Chrysene (UG/L)		U/	20.		U/	10.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	20.		U/	10.		U/	10.
Di-n-octyl Phthalate (UG/L)		U/	20.		U/	10.	21.	/J	10.
Benzo(b)fluoranthene (UG/L)		U/	20.		U/	10.		U/R	10.
Benzo(k)fluoranthene (UG/L)		U/	20.		U/	10.		U/R	10.
Benzo(a)pyrene (UG/L)		U/	20.		U/	10.		U/R	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	20.		U/	10.		U/R	10.
Dibenz(a,h)anthracene (UG/L)		U/	20.		U/	10.		U/R	10.
Benzo(g,h,i)perylene (UG/L)		U/	20.		U/	10.		U/R	10.
Carbazole (UG/L)		U/	20.		U/	10.		U/	10.

[illegible] = Concentration of parameter [illegible] Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW06-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW07-01 01/03/95 CONC	LQ/DVQ	RDL	ACS-GWMW07-91 01/03/95 CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	25.		U/	25.
Dibenzofuran (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
Diethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Fluorene (UG/L)		U/	10.		U/	10.		U/	10.
4-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	25.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	10.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Pentachlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
Phenanthrene (UG/L)		U/	10.		U/	10.		U/	10.
Anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-butylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Chrysene (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		/U	12.		U/	10.
Di-n-octyl Phthalate (UG/L)	47.	/J	10.		U/	10.		U/	10.
Benzo(b)fluoranthene (UG/L)		U/R	10.		U/	10.		U/	10.
Benzo(k)fluoranthene (UG/L)		U/R	10.		U/	10.		U/	10.
Benzo(a)pyrene (UG/L)		U/R	10.		U/	10.		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/R	10.		U/	10.		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/R	10.		U/	10.		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/R	10.		U/	10.		U/	10.
Carbazole (UG/L)		U/	10.		U/	10.		U/	10.

Matrix, Conc - Concentration [illegible] LQ/DVQ - Laboratory Qualifier/Data [illegible] Qualifier, RDL - Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW08-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW09-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW10-01 01/04/95 CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	25.		U/	25.
Dibenzofuran (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
Diethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Fluorene (UG/L)		U/	10.		U/	10.		U/	10.
4-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	25.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	10.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Pentachlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
Phenanthrene (UG/L)		U/	10.		U/	10.		U/	10.
Anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-butylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Chrysene (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-octyl Phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(b)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(k)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/	10.		U/	10.		U/	10.
Carbazole (UG/L)		U/	10.		U/	10.		U/	10.

Note: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

	ACS-GWMW11-01 01/03/95			ACS-GWMW12-01 01/03/95			ACS-GWMW13-01 01/04/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	75.		U/	25.
Dibenzofuran (UG/L)		U/	10.		U/	30.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	30.		U/	10.
Diethylphthalate (UG/L)		U/	10.		U/	30.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	30.		U/	10.
Fluorene (UG/L)		U/	10.		U/	30.		U/	10.
4-Nitroaniline (UG/L)		U/	25.		U/	75.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	75.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	30.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	30.		U/	10.
Hexachlorobenzene (UG/L)		U/	10.		U/	30.		U/	10.
Pentachlorophenol (UG/L)		U/	25.		U/	75.		U/	25.
Phenanthrene (UG/L)		U/	10.		U/	30.		U/	10.
Anthracene (UG/L)		U/	10.		U/	30.		U/	10.
Di-n-butylphthalate (UG/L)		U/	10.		U/	30.		U/	10.
Fluoranthene (UG/L)		U/	10.		U/	30.		U/	10.
Pyrene (UG/L)		U/	10.		U/	30.		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.		U/	30.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	30.		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.		U/	30.		U/	10.
Chrysene (UG/L)		U/	10.		U/	30.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		U/	30.		U/	10.
Di-n-octyl Phthalate (UG/L)		U/	10.		U/	30.		U/	10.
Benzo(b)fluoranthene (UG/L)		U/	10.		U/	30.		U/	10.
Benzo(k)fluoranthene (UG/L)		U/	10.		U/	30.		U/	10.
Benzo(a)pyrene (UG/L)		U/	10.		U/	30.		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.		U/	30.		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/	10.		U/	30.		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/	10.		U/	30.		U/	10.
Carbazole (UG/L)		U/	10.		U/	30.		U/	10.

Notes: CONC = [illegible] of parameter detected in the sample, LQ/DVQ = [illegible] Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW14-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW15-01 01/05/95 CONC	LQ/DVQ	RDL	ACS-GWMW16-01 01/04/95 CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	25.		U/	250.
Dibenzofuran (UG/L)		U/	10.		U/	10.		U/	100.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	100.
Diethylphthalate (UG/L)		U/	10.		U/	10.		U/	100.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	100.
Fluorene (UG/L)		U/	10.		U/	10.		U/	100.
4-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	250.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	25.		U/	250.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	10.		U/	100.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	100.
Hexachlorobenzene (UG/L)		U/	10.		U/	10.		U/	100.
Pentachlorophenol (UG/L)		U/	25.		U/	25.		U/	250.
Phenanthrene (UG/L)		U/	10.		U/	10.		U/	100.
Anthracene (UG/L)		U/	10.		U/	10.		U/	100.
Di-n-butylphthalate (UG/L)		U/	10.		U/	10.		U/	100.
Fluoranthene (UG/L)		U/	10.		U/	10.		U/	100.
Pyrene (UG/L)		U/	10.		U/	10.		U/	100.
Butylbenzylphthalate (UG/L)		U/	10.		U/	10.		U/	100.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	10.		U/	100.
Benzo(a)anthracene (UG/L)		U/	10.		U/	10.		U/	100.
Chrysene (UG/L)		U/	10.		U/	10.		U/	100.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		U/	10.		U/	100.
Di-n-octyl Phthalate (UG/L)		U/	10.		U/	10.		U/	100.
Benzo(b)fluoranthene (UG/L)		U/	10.		U/	10.		U/	100.
Benzo(k)fluoranthene (UG/L)		U/	10.		U/	10.		U/	100.
Benzo(a)pyrene (UG/L)		U/	10.		U/	10.		U/	100.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.		U/	10.		U/	100.
Dibenz(a,h)anthracene (UG/L)		U/	10.		U/	10.		U/	100.
Benzo(g,h,i)perylene (UG/L)		U/	10.		U/	10.		U/	100.
Carbazole (UG/L)		U/	10.		U/	10.		U/	100.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW17-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW18-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW19-01 12/30/94 CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	25.		U/	25.
Dibenzofuran (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
Diethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Fluorene (UG/L)		U/	10.		U/	10.		U/	10.
4-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	25.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	10.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Pentachlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
Phenanthrene (UG/L)		U/	10.		U/	10.		U/	10.
Anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-butylphthalate (UG/L)	2.	J/	10.		U/	10.	1.	J/	10.
Fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Chrysene (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-octyl Phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(b)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(k)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/	10.		U/	10.		U/	10.
Carbazole (UG/L)		U/	10.		U/	10.		U/	10.

[illegible] concentration of parameter detected [illegible] Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

Parameter	ACS-GWMW20-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW21-01 01/04/95 CONC	LQ/DVQ	RDL	ACS-GWMW21-91 01/04/95 CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	25.		U/	25.
Dibenzofuran (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
Diethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Fluorene (UG/L)		U/	10.		U/	10.		U/	10.
4-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	25.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	10.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Pentachlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
Phenanthrene (UG/L)		U/	10.		U/	10.		U/	10.
Anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-butylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Chrysene (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-octyl Phthalate (UG/L)		U/	10.	11.	/	10.	9.	J/	10.
Benzo(b)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(k)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/	10.		U/	10.		U/	10.
Carbazole (UG/L)		U/	10.		U/	10.		U/	10.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

	ACS-GWMW22-01 12/30/94			ACS-GWMW22-91 12/30/94			ACS-GWMW23-01 01/05/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.		U/	25.		U/	25.
Dibenzofuran (UG/L)		U/	10.		U/	10.		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.		U/	10.		U/	10.
Diethylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Fluorene (UG/L)		U/	10.		U/	10.		U/	10.
4-Nitroaniline (UG/L)		U/	25.		U/	25.		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.		U/	25.		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.		U/	10.		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.		U/	10.		U/	10.
Hexachlorobenzene (UG/L)		U/	10.		U/	10.		U/	10.
Pentachlorophenol (UG/L)		U/	25.		U/	25.		U/	25.
Phenanthrene (UG/L)		U/	10.		U/	10.		U/	10.
Anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-butylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
Fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.		U/	10.		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Chrysene (UG/L)		U/	10.		U/	10.		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Di-n-octyl Phthalate (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(b)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(k)fluoranthene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(a)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.		U/	10.		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/	10.		U/	10.		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/	10.		U/	10.		U/	10.
Carbazole (UG/L)		U/	10.		U/	10.		U/	10.

[illegible] RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: SVOC

ACS-GWMW24-01 01/04/95

Parameter	CONC	LQ/DVQ	RDL
4-Nitrophenol (UG/L)		U/	25.
Dibenzofuran (UG/L)		U/	10.
2,4-Dinitrotoluene (UG/L)		U/	10.
Diethylphthalate (UG/L)		U/	10.
4-Chlorophenyl-phenylether (UG/L)		U/	10.
Fluorene (UG/L)		U/	10.
4-Nitroaniline (UG/L)		U/	25.
4,6-Dinitro-2-methylphenol (UG/L)		U/	25.
N-nitrosodiphenylamine (UG/L)		U/	10.
4-Bromophenyl-phenylether (UG/L)		U/	10.
Hexachlorobenzene (UG/L)		U/	10.
Pentachlorophenol (UG/L)		U/	25.
Phenanthrene (UG/L)		U/	10.
Anthracene (UG/L)		U/	10.
Di-n-butylphthalate (UG/L)		U/	10.
Fluoranthene (UG/L)		U/	10.
Pyrene (UG/L)		U/	10.
Butylbenzylphthalate (UG/L)		U/	10.
3,3'-Dichlorobenzidine (UG/L)		U/	10.
Benzo(a)anthracene (UG/L)		U/	10.
Chrysene (UG/L)		U/	10.
bis(2-ethylhexyl)phthalate (UG/L)		U/	10.
Di-n-octyl Phthalate (UG/L)	[illegible]	U/	10.
Benzo(b)fluoranthene (UG/L)		U/	10.
Benzo(k)fluoranthene (UG/L)		U/	10.
Benzo(a)pyrene (UG/L)		U/	10.
Indeno(1,2,3-cd)pyrene (UG/L)		U/	10.
Dibenz(a,h)anthracene (UG/L)		U/	10.
Benzo(g,h,i)perylene (UG/L)		U/	10.
Carbazole (UG/L)		U/	10.

Note: [illegible] Concentration of parameter detected in the sample, LQ/DVQ [illegible] Qualifier, RDL - Reported Detection [illegible]

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL
Generated by: CAW
Date Issued: 09-MAR-95

Parameter	ACS-GWFB01-01 12/30/94			ACS-GWFB01-01F 12/30/94			ACS-GWFB02-01 01/03/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)		U/	1.		U/	1.		U/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)		U/	10.		U/	10.		U/	10.
Thallium (UG/L)		U/	1.		U/	1.		UN/	1.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWFB02-01F 01/03/95			ACS-GWFB03-01 01/05/95			ACS-GWFB03-01F 01/05/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)		UN/	1.		U/	1.		UN/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)		U/	10.		U/	10.		U/	10.
Thallium (UG/L)		U/	1.		UN/	1.		U/	1.

Notes: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW03-01 12/30/94			ACS-GWMW03-01F 12/30/94			ACS-GWMW04-01 12/30/94		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	45.7	/	1.	43.3	S/	1.	16.1	/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	598.	/	10.	525.	/	10.	3890.	/	10.
Thallium (UG/L)		U/	1.	1.2	BS/	1.	3.6	BS/	1.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW04-01F 12/30/95			ACS-GWMW05-01 12/30/94			ACS-GWMW05-01F 12/30/94		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	2.7	BS/	1.	57.1	S/	1.	25.5	S/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	2260.	/	10.	3250.	/	10.	2480.	/	10.
Thallium (UG/L)		US/	1.	1.1	B/	1.		U/	1.

Note: [illegible] Concentration of parameter detected in the sample, [illegible] Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW06-01 12/30/94			ACS-GWMW06-01F 12/30/94			ACS-GWMW07-01 01/03/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	105.	S/	1.	71.	S/	1.		U/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	889.	/	10.	147.	/	10.	167.	/	10.
Thallium (UG/L)		U/	1.		US/	1.		UN/	1.

Note: CONC = concentration of parameter detected in the sample. LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier. RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW07-01F 01/03/95			ACS-GWMW07-91 01/03/95			ACS-GWMW07-91F 01/03/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)		UN/	1.	1.3	B/	1.		UN/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	153.	/	10.	189.	/	10.	106.	/	10.
Thallium (UG/L)		U/	1.		UN/	1.		U/	1.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW08-01 12/30/94			ACS-GWMW08-01F 12/30/94			ACS-GWMW09-01 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	3.6	B/	1.	3.4	BNS/	1.	20.8	S/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	149.	/	10.	121.	/	10.	814.	/	10.
Thallium (UG/L)		UN/	1.		U/	1.		UN/	1.

Notes: CONC = Concentration of Parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW09-01F 01/04/95			ACS-GWMW10-01 01/04/95			ACS-GWMW10-01F 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	2.9	BN/	1.		U/	1.		UN/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	165.	/	10.	72.	/	10.	60.	/	10.
Thallium (UG/L)		U/	1.		UN/	1.		U/	1.

[illegible] Concentration of parameter detected [illegible] Laboratory Qualifier/Data Validation Qualifier RDL Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW11-01 01/03/95			ACS-GWMW11-01F 01/03/95			ACS-GWMW12-01 01/03/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	10.9	/	1.		UN/	1.	4.3	B/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	253.	/	10.	204.	/	10.	1430.	/	10.
Thallium (UG/L)		UN/	1.		U/	1.		UN/	1.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW12-01F 01/03/95			ACS-GWMW13-01 01/04/95			ACS-GWMW13-01F 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	1.1	BN/	1.	2.5	B/	1.		UN/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	1410.	/	10.	996.	/	10.	713.	/	10.
Thallium (UG/L)		U/	1.		UN/	1.		U/	1.

Notes: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

	ACS-GWMW14-01 01/04/95			ACS-GWMW14-01F 01/04/95			ACS-GWMW15-01 01/05/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	25.3	S/	1.	2.5	BN/	1.	40.1	S/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	1400.	/	10.	582.	/	10.	1000.	/	10.
Thallium (UG/L)		UN/	1.		U/	1.		USN/	1.

Note: CONC = concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW15-01F 01/05/95			ACS-GWMW16-01 01/04/95			ACS-GWMW16-01F 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	35.7	NS/	1.	16.1	/	1.	11.8	N/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	123.	/	10.	1010.	/	10.	649.	/	10.
Thallium (UG/L)	1.	BS/	1.		UN/	1.	2.5	BS/	1.

Note: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW17-01 12/30/94			ACS-GWMW17-01F 12/30/94			ACS-GWMW18-01 12/30/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	2.7	B/	1.	1.4	BS/	1.		U/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	640.	/	10.	654.	/	10.	441.	/	10.
Thallium (UG/L)		U/	1.		U/	1.		UN/	1.

Note: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW18-01F 12/30/94			ACS-GWMW19-01 12/30/94			ACS-GWMW19-01F 12/30/94		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)		UNS/	1.	17.4	/	1.	16.	/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)		U/	10.	317.	/	10.	223.	/	10.
Thallium (UG/L)		U/	1.	1.9	BS/	1.		US/	1.

Notes: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW20-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW20-01F 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW21-01 01/04/95 CONC	LQ/DVQ	RDL
Arsenic (UG/L)	5.	B/	1.	4.9	BS/	1.	1.7	B/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	1170.	/	10.	1040.	/	10.	200.	/	10.
Thallium (UG/L)	1.5	BS/	1.		US/	1.		UN/	1.

Notes: CONC - Concentration of parameter detected in the sample, LQ/DVQ - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW21-01F 01/04/95			ACS-GWMW21-91 01/04/95			ACS-GWMW21-91F 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)		UNS/	1.	1.8	B/	1.	1.4	BN/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	188.	/	10.	205.	/	10.	182.	/	10.
Thallium (UG/L)		U/	1.		UN/	1.		U/	1.

Note: CONC = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW22-01 12/30/94			ACS-GWMW22-01F 12/30/94			ACS-GWMW22-91 12/30/94		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	2.4	B/	1.	3.6	BNS/	1.	2.3	B/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	106.	/	10.	106.	/	10.	103.	/	10.
Thallium (UG/L)		UN/	1.		US/	1.		UN/	1.

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

Parameter	ACS-GWMW22-91F 12/30/94			ACS-GWMW23-01 01/05/95			ACS-GWMW23-01F 01/05/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	4.	BNS/	1.	2.8	B/	1.		UN/	1.
Beryllium (UG/L)		U/	5.		U/	5.		U/	5.
Manganese (UG/L)	109.	/	10.	311.	/	10.	206.	/	10.
Thallium (UG/L)		US/	1.		UN/	1.		U/	1.

Sample Conc = Concentration of parameter detected in the sample. LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: MTL

	ACS-GWMW24-01 01/04/95			ACS-GWMW24-01F 01/04/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
Arsenic (UG/L)	22.5	S/	1.		UN/	1.
Beryllium (UG/L)		U/	5.		U/	5.
Manganese (UG/L)	1670.	/	10.	260.	/	10.
Thallium (UG/L)	1.8	BN/J	1.		U/	1.

Note: [illegible] LQ/DVQ - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB
Generated by: CAW
Date Issued: 09-MAR-95

Parameter	ACS-GWFB01-01 12/30/94			ACS-GWFB02-01 01/03/95			ACS-GWFB03-01 01/05/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

Note: Conc - Concentration of parameter detected in the sample LQ/DVQ - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

Parameter	ACS-GWMW03-01 12/30/94			ACS-GWMW04-01 12/30/94			ACS-GWMW05-01 12/30/94		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.	1.4	/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

Note: Conc - Concentration of parameter detected in the sample, LQ/DVQ - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit.

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB
Generated by: CAW
Date Issued: 09-MAR-95

Parameter	ACS-GWFB01-01 12/30/94			ACS-GWFB02-01 01/03/95			ACS-GWFB03-01 01/05/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

Note: Conc = Concentration of parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

Parameter	ACS-GWMW06-01 12/30/94			ACS-GWMW07-01 01/03/95			ACS-GWMW07-91 01/03/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

Notes: [illegible] LQ/DVQ [illegible] Qualifier, RDL Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

	ACS-GWMW08-01 12/30/94			ACS-GWMW09-01 01/04/95			ACS-GWMW10-01 01/04/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

Note: CONC = Concentration of parameter detected in the sample; LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier; RDL = Reported detection limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

Parameter	ACS-GWMW11-01 01/03/95			ACS-GWMW12-01 01/03/95			ACS-GWMW13-01 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

[illegible] - Laboratory Qualifier/Data Validation Qualifier, RDL - Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

Parameter	ACS-GWMW14-01 01/04/95			ACS-GWMW15-01 01/05/95			ACS-GWMW16-01 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)		-			U/	0.05			
beta-BHC (UG/L)					U/	0.05			
delta-BHC (UG/L)					U/	0.05			
gamma-BHC (Lindane) (UG/L)					U/	0.05			
Heptachlor (UG/L)					U/	0.05			
Aldrin (UG/L)					U/	0.05			
Heptachlor epoxide (UG/L)					U/	0.05			
Endosulfan I (UG/L)					U/	0.05			
Dieldrin (UG/L)					U/	0.1			
4,4'-DDE (UG/L)					U/	0.1			
Endrin (UG/L)					U/	0.1			
Endosulfan II (UG/L)					U/	0.1			
4,4'-DDD (UG/L)					U/	0.1			
Endosulfan sulfate (UG/L)					U/	0.1			
4,4'-DDT (UG/L)					U/	0.1			
Methoxychlor (UG/L)					U/	0.5			
Endrin ketone (UG/L)					U/	0.1			
alpha-Chlordane (UG/L)					U/	0.05			
gamma-Chlordane (UG/L)					U/	0.05			
Toxaphene (UG/L)					U/	5.			
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)					U/	0.1			

Notes: Conc = [illegible] per [illegible] detected in the sample, LQ/DVQ = Laboratory [illegible] Qualifier, RDL = Reported Detection [illegible]

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

Parameter	ACS-GWMW17-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW18-01 12/30/94 CONC	LQ/DVQ	RDL	ACS-GWMW19-01 12/30/94 CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)								U/	0.05
beta-BHC (UG/L)								U/	0.05
delta-BHC (UG/L)								U/	0.05
gamma-BHC (Lindane) (UG/L)								U/	0.05
Heptachlor (UG/L)								U/	0.05
Aldrin (UG/L)								U/	0.05
Heptachlor epoxide (UG/L)								U/	0.05
Endosulfan I (UG/L)								U/	0.05
Dieldrin (UG/L)								U/	0.1
4,4'-DDE (UG/L)								U/	0.1
Endrin (UG/L)								U/	0.1
Endosulfan II (UG/L)								U/	0.1
4,4'-DDD (UG/L)								U/	0.1
Endosulfan sulfate (UG/L)								U/	0.1
4,4'-DDT (UG/L)								U/	0.1
Methoxychlor (UG/L)								U/	0.5
Endrin ketone (UG/L)								U/	0.1
alpha-Chlordane (UG/L)								U/	0.05
gamma-Chlordane (UG/L)								U/	0.05
Toxaphene (UG/L)								U/	5.
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)								U/	0.1

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

Parameter	ACS-GWMW20-01 12/30/94			ACS-GWMW21-01 01/04/95			ACS-GWMW21-91 01/04/95		
	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

Note: CONC = Concentration of parameter detected [illegible] LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier [illegible] Reported Detection [illegible]

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

	ACS-GWMW22-01 12/30/94			ACS-GWMW22-91 12/30/94			ACS-GWMW23-01 01/05/95		
Parameter	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL	CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)									
beta-BHC (UG/L)									
delta-BHC (UG/L)									
gamma-BHC (Lindane) (UG/L)									
Heptachlor (UG/L)									
Aldrin (UG/L)									
Heptachlor epoxide (UG/L)									
Endosulfan I (UG/L)									
Dieldrin (UG/L)									
4,4'-DDE (UG/L)									
Endrin (UG/L)									
Endosulfan II (UG/L)									
4,4'-DDD (UG/L)									
Endosulfan sulfate (UG/L)									
4,4'-DDT (UG/L)									
Methoxychlor (UG/L)									
Endrin ketone (UG/L)									
alpha-Chlordane (UG/L)									
gamma-Chlordane (UG/L)									
Toxaphene (UG/L)									
Aroclor-1016 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1221 (UG/L)		U/	2.		U/	2.		U/	2.
Aroclor-1232 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1242 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1248 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1254 (UG/L)		U/	1.		U/	1.		U/	1.
Aroclor-1260 (UG/L)		U/	1.		U/	1.		U/	1.
Endrin aldehyde (UG/L)									

Notes: Conc = Concentration of the parameter detected in the sample, LQ/DVQ = Laboratory Qualifier/Data Validation Qualifier, U = Undetected, RDL = Reported Detection Limit

ANALYTICAL DATA REPORT
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW Type: PPCB

Parameter	ACS-GWMW24-01 01/04/95 CONC	LQ/DVQ	RDL
alpha-BHC (UG/L)			
beta-BHC (UG/L)			
delta-BHC (UG/L)			
gamma-BHC (Lindane) (UG/L)			
Heptachlor (UG/L)			
Aldrin (UG/L)			
Heptachlor epoxide (UG/L)			
Endosulfan I (UG/L)			
Dieldrin (UG/L)			
4,4'-DDE (UG/L)			
Endrin (UG/L)			
Endosulfan II (UG/L)			
4,4'-DDD (UG/L)			
Endosulfan sulfate (UG/L)			
4,4'-DDT (UG/L)			
Methoxychlor (UG/L)			
Endrin ketone (UG/L)			
alpha-Chlordane (UG/L)			
gamma-Chlordane (UG/L)			
Toxaphene (UG/L)			
Aroclor-1016 (UG/L)		U/	1.
Aroclor-1221 (UG/L)		U/	2.
Aroclor-1232 (UG/L)		U/	1.
Aroclor-1242 (UG/L)		U/	1.
Aroclor-1248 (UG/L)		U/	1.
Aroclor-1254 (UG/L)		U/	1.
Aroclor-1260 (UG/L)		U/	1.
Endrin aldehyde (UG/L)			

Note: [illegible] concentration of parameter detected in the sample, [illegible] [illegible] Qualifier/Data Validation Qualifier, RDL Reported [illegible]

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RO/RA
Griffith, Indiana

Matrix: GW
Generated by: CAW
Date Issued: 09-MAR-95

ACS-GWFB02-01 01/03/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Ethanone, 1-(2-hydroxyphenyl)- (UG/L)	4.	NJ/
Phenol, 4,4'-(1-methylethylide (UG/L)	4.	NJ/

ACS-GWFB03-01 01/05/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Benzophenone (UG/L)	2.	NJ/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown hydrocarbon (UG/L)	8.	J/

ACS-GWMW03-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Disulfide, diethyl (UG/L)	25.	NJ/
Unknown (UG/L)	24.	J/
Chloromethylbenzene isomer (UG/L)	44.	J/
Cyclohexanone, 3,3,5-trimethyl (UG/L)	1100.	NJ/
Unknown (UG/L)	430.	J/
Unknown (UG/L)	36.	J/
Unknown (UG/L)	40.	J/
Unknown (UG/L)	48.	J/
Dimethylphenol isomer (UG/L)	23.	J/
Benzenamine, N,N-diethyl- (UG/L)	26.	NJ/
Ethylmethylphenol isomer (UG/L)	28.	J/
Ethylmethylphenol isomer (UG/L)	28.	J/
Furan, 2,2'-[oxybis(methylene) (UG/L)	46.	NJ/
Unknown (UG/L)	44.	J/
Unknown (UG/L)	36.	J/
Unknown (UG/L)	22.	J/
Unknown (UG/L)	22.	J/
Unknown (UG/L)	56.	J/
Sulfur, mol. (S8) (UG/L)	860.	NJ/
Unknown (UG/L)	27.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW04-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	4.	J/
Ethane, 1,1'-oxybis[2-ethoxy] (UG/L)	7.	NJ/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	4.	J/
Unknown (UG/L)	4.	J/
Caprolactam (UG/L)	4.	NJ/
Unknown aromatic (UG/L)	70.	J/
Benzene, 1-chloro-4-(methylsul (UG/L)	3.	NJ/
Benzenesulfonamide, 2-methyl- (UG/L)	3.	NJ/
Unknown (UG/L)	2.	J/
Sulfur, mol. (S8) (UG/L)	4.	NJ/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Ether (UG/L)	21.	NJ/
Unknown hydrocarbon (UG/L)	6.	J/
Unknown hydrocarbon (UG/L)	16.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW05-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	22.	J/
Unknown (UG/L)	18.	J/
Benzene isomer (UG/L)	34.	J/
Benzene isomer (UG/L)	14.	J/
Caprolactam (UG/L)	38.	NJ/
Diphenyl ether (UG/L)	94.	NJ/
Unknown (UG/L)	14.	J/
Unknown aromatic (UG/L)	100.	J/
Unknown (UG/L)	520.	J/
Unknown (UG/L)	37.	J/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Ether (UG/L)	42.	NJ/
Unknown hydrocarbon (UG/L)	22.	J/
Cyclohexene, 4-ethenyl- (UG/L)	18.	NJ/
Trimethylbenzene isomer (UG/L)	17.	J/
Unknown hydrocarbon (UG/L)	17.	J/
Dichlorobenzene isomer (UG/L)	17.	J/
Substituted benzene (UG/L)	13.	J/
Substituted benzene (UG/L)	17.	J/
Unknown hydrocarbon (UG/L)	16.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW06-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	20.	J/
Unknown (UG/L)	35.	J/
Unknown (UG/L)	140.	J/
Ethane, 1,1'-oxybis[2-ethoxy] (UG/L)	23.	NJ/
Dimethylphenol isomer (UG/L)	5.	J/
Dimethylphenol isomer (UG/L)	9.	J/
Unknown (UG/L)	7.	J/
Unknown aromatic (UG/L)	6.	J/
Unknown (UG/L)	6.	J/
Unknown (UG/L)	8.	J/
Unknown aromatic (UG/L)	22.	J/
Unknown (UG/L)	8.	J/
Unknown (UG/L)	20.	J/
Unknown (UG/L)	12.	J/
Unknown (UG/L)	20.	NJ/
Unknown (UG/L)	6.	NJ/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown hydrocarbon (UG/L)	200.	J/
Ether (UG/L)	190.	NJ/
Tetrahydrofuran (UG/L)	460.	NJ/
Cyclohexanone, 3,3,5-trimethyl (UG/L)	680.	NJ/

ACS-GWMW07-01 01/03/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	2.	J/
Unknown (UG/L)	3.	J/
Caprolactam (UG/L)	6.	NJ/
Unknown (UG/L)	3.	J/
Acetic acid, phenoxy- (UG/L)	3.	NJ/
Unknown aromatic (UG/L)	2.	J/
Unknown aromatic (UG/L)	440.	J/
Benzene, 1-chloro-4-(methylsul (UG/L)	12.	NJ/
Unknown (UG/L)	2.	J/
Unknown aromatic (UG/L)	33.	J/
Unknown aromatic (UG/L)	6.	J/
Unknown aromatic (UG/L)	2.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW07-91 01/03/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	3.	J/
Unknown (UG/L)	2.	J/
Caprolactam (UG/L)	6.	NJ/
Unknown (UG/L)	2.	J/
Acetic acid, phenoxy- (UG/L)	4.	NJ/
Unknown aromatic (UG/L)	540.	J/
Benzene, 1-chloro-4-(methylsul (UG/L)	12.	NJ/
Unknown aromatic (UG/L)	5.	J/

ACS-GWMW08-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown aliphatic hydrocarbon (UG/L)	2.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW09-01 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Carbamic acid, dimethyl, et (UG/L)	8.	NJ/
Unknown (UG/L)	15.	J/
Unknown (UG/L)	7.	J/
Unknown (UG/L)	14.	J/
Unknown (UG/L)	11.	J/
Cyclohexanone, 3,3,5-trimethyl (UG/L)	180	NJ/
Unknown (UG/L)	13.	J/
Ethane, 1,1'-oxybis[2-ethoxy] (UG/L)	14.	NJ/
Unknown (UG/L)	100.	J/
Unknown (UG/L)	11.	J/
Unknown (UG/L)	10.	J/
Unknown (UG/L)	8.	J/
Unknown (UG/L)	9.	J/
Unknown (UG/L)	17.	J/
Unkonwn (UG/L)	9.	J/
Unknown (UG/L)	11.	J/
Unknown (UG/L)	12.	J/
Dimethyl benzoic acid isomer (UG/L)	15.	J/
Unknown (UG/L)	7.	J/
Sulfur (UG/L)	13.	NJ/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Di-n-propyl ether (UG/L)	39.	NJ/
Unknown hydrocarbon (UG/L)	30.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW10-01 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	8.	J/
Unknown (UG/L)	12.	J/
Unknown (UG/L)	9.	J/
Unknown (UG/L)	56.	J/
Unknown (UG/L)	10.	J/
Unknown (UG/L)	10.	J/
Unknown alcohol (UG/L)	6.	J/
Unknown (UG/L)	10.	J/
Unknown (UG/L)	7.	J/
Unknown (UG/L)	12.	J/
Unknown (UG/L)	8.	J/
Unknown (UG/L)	150.	J/
Unknown (UG/L)	9.	J/
Unknown (UG/L)	7.	J/
Unknown (UG/L)	6.	J/
Unknown (UG/L)	10.	J/
Unknown alcohol (UG/L)	8.	J/
Unknown alcohol (UG/L)	7.	J/
Unknown (UG/L)	13.	J/
Unknown (UG/L)	14.	J/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Ether (UG/L)	2700.	NJ/
Tetrahydrofuran (UG/L)	23.	NJ/
Unknown hydrocarbon (UG/L)	63.	J/

ACS-GWMW12-01 01/03/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown aromatic (UG/L)	56.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW13-01 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	4.	J/
Unknown (UG/L)	4.	J/
Unknown alcohol (UG/L)	4.	J/
Unknown (UG/L)	6.	J/
Unknown (UG/L)	7.	J/
Unknown (UG/L)	4.	J/
Ethane, 1,1'-oxybis[2-ethoxy (UG/L)	8.	NJ/
Unknown (UG/L)	31.	J/
Unknown (UG/L)	4.	J/
Bicyclo[2.2.1]heptan-2-one i (UG/L)	4.	J/
Unknown aromatic (UG/L)	9.	J/
Unknown aromatic (UG/L)	5.	J/
Dimethyl benzoic acid (UG/L)	5.	J/
Unknown (UG/L)	4.	J/
Unknown (UG/L)	10.	J/
Benzoic acid, p-tert-butyl- (UG/L)	4.	NJ/
Unkown (UG/L)	17.	J/
Unknown (UG/L)	6.	J/
Sulfur (UG/L)	4.	NJ/
Unknown acid (UG/L)	4.	J/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Ether (UG/L)	510.	NJ/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW14-01 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Carbamic acid, dimethyl-, et (UG/L)	18.	NJ/
Hexylene glycol (UG/L)	410.	NJ/
Unknown (UG/L)	30.	J/
Unknown (UG/L)	18.	J/
Unknown (UG/L)	19.	J/
Cyclohexanone, 3,3,5-trimeth (UG/L)	70.	NJ/
Unknown (UG/L)	25.	J/
Unknown (UG/L)	100.	J/
Unknown (UG/L)	30.	J/
Unknown (UG/L)	19.	J/
Benzeneacetic acid (UG/L)	36.	NJ/
Unknown (UG/L)	21.	J/
Unknown (UG/L)	40.	J/
Unknown (UG/L)	32.	J/
Propanoic acid, 2-(3-chlorop (UG/L)	120.	NJ/
Unknown (UG/L)	23.	J/
Unknown (UG/L)	20.	J/
Unknown (UG/L)	22.	J/
Unknown (UG/L)	42.	J/
Unknown (UG/L)	71.	J/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Di-n-propyl ether (UG/L)	80.	NJ/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW15-01 01/05/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	4.	J/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	5.	J/
Unknown (UG/L)	10.	J/
Unknown (UG/L)	31.	J/
Unknown (UG/L)	4.	J/
Unknown (UG/L)	19.	J/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	4.	J/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	5.	J/
Propanoic acid, 2-(3-chlorop (UG/L)	13.	NJ/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	9.	J/
Hexadecanoic acid (UG/L)	5.	NJ/
Unknown (UG/L)	3.	J/
Phenobarbital (UG/L)	15.	NJ/
Unknown (UG/L)	4.	J/
Unknown (UG/L)	4.	J/
Unknown (UG/L)	4.	J/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Methane, chlorodifluoro (UG/L)	11.	NJ/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW16-01 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Cyclohexanone (UG/L)	99.	NJ/
Hexylene glycol (UG/L)	1500.	NJ/
Unknown (UG/L)	93.	J/
Unknown alcohol (UG/L)	200.	J/
Cyclohexanone, 3,3,5-trimeth (UG/L)	770.	NJ/
Unknown (UG/L)	260.	J/
Unknown (UG/L)	1800.	J/
Unknown alcohol (UG/L)	110.	J/
Unknown (UG/L)	83.	J/
Unknown (UG/L)	110.	J/
Unknown (UG/L)	190.	J/
Unknown (UG/L)	500.	J/
Methylbenzoic acid isomer (UG/L)	87.	J/
Unknown (UG/L)	130.	J/
Unknown alcohol (UG/L)	130.	J/
Phthalic anhydride (UG/L)	110.	NJ/
Unknown (UG/L)	180.	J/
Unknown (UG/L)	240.	J/
Unknown (UG/L)	120.	J/
Unknown (UG/L)	81.	J/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Tetrahydrofuran (UG/L)	1000.	NJ/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW17-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Benzene, propyl- (UG/L)	4.	NJ/
Methylbenzene isomer (UG/L)	8.	J/
Methylbenzene isomer (UG/L)	3.	J/
Diethylbenzene isomer (UG/L)	9.	J/
Methylpropylbenzene isomer (UG/L)	9.	J/
Dimethylbenzene isomer (UG/L)	3.	J/
Methylbenzene isomer (UG/L)	25.	J/
Tetramethylbenzene isomer (UG/L)	30.	J/
2,3-Dihydro-1-methylindene (UG/L)	7.	NJ/
Indan, 1-methyl- (UG/L)	12.	NJ/
Methylbenzene isomer (UG/L)	6.	J/
Methylbenzene isomer (UG/L)	4.	J/
Methylbenzene isomer (UG/L)	3.	J/
Dimethyl-1H-indene isomer (UG/L)	4.	J/
Dimethyl-1H-indene isomer (UG/L)	3.	J/
Methylbenzene isomer (UG/L)	4.	J/
Diphenyl ether (UG/L)	22.	NJ/
Dimethylnaphthalene isomer (UG/L)	3.	J/
Dimethylnaphthalene isomer (UG/L)	5.	J/
Dimethylnaphthalene isomer (UG/L)	4.	J/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown hydrocarbon (UG/L)	18.	J/
Diethylbenzene isomer (UG/L)	16.	J/
Substituted benzene (UG/L)	27.	J/
Substituted benzene (UG/L)	49.	J/
Unknown hydrocarbon (UG/L)	15.	J/
Tetramethylbenzene isomer (UG/L)	37.	J/
Substituted benzene (UG/L)	86.	J/
Unknown hydrocarbon (UG/L)	34.	J/
Substituted benzene (UG/L)	25.	J/
Unknown hydrocarbon (UG/L)	16.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW19-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	150.	J/
Unknown (UG/L)	22.	J/
Unknown (UG/L)	700.	J/
Unknown (UG/L)	31.	J/
Propanoic acid, 2-(2-chloropro (UG/L)	23.	NJ/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Methane, chlorodifluoro- (UG/L)	14.	NJ/
Ether (UG/L)	14.	NJ/

ACS-GWMW20-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Ethane, 1,1'-oxybis[2-ethoxy-] (UG/L)	68.	NJ/
Unknown (UG/L)	36.	J/
Unknown (UG/L)	460.	J/
Unknown (UG/L)	23.	J/
Unknown (UG/L)	16.	J/
Unknown (UG/L)	140.	J/
Unknown (UG/L)	39.	J/
Unknown (UG/L)	17.	J/
Unknown (UG/L)	20.	J/
Benzoic acid, p-tert-butyl- (UG/L)	27.	NJ/
Unknown (UG/L)	26.	NJ/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Methane, chlorodifluoro- (UG/L)	7.	NJ/
Unknown hydrocarbon (UG/L)	6.	J/
Ether (UG/L)	17.	NJ/
Unknown hydrocarbon (UG/L)	14.	J/
Unknown hydrocarbon (UG/L)	7.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW21-01 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	8.	J/
Unknown (UG/L)	22.	J/
Unknown (UG/L)	11.	J/
Unknown (UG/L)	2.	J/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	2.	J/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	6.	J/
Unknown phtlalate (UG/L)	5.	J/
Unknown phthalate (UG/L)	10.	J/
Unknown phthalate (UG/L)	7.	J/
Unknown phthalate (UG/L)	5.	J/
Unknown phthalate (UG/L)	3.	J/

ACS-GWMW21-91 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	7.	J/
Unknown (UG/L)	19.	J/
Unknown (UG/L)	8.	J/
Unknown (UG/L)	2.	J/
Unknown (UG/L)	3.	J/
Unknown (UG/L)	3.	J/
Unknown phthalate (UG/L)	6.	J/
Unknown phtlalate (UG/L)	4.	J/
Unknown phtlalate (UG/L)	9.	J/
Unknown phthalate (UG/L)	6.	J/
Unknown phthalate (UG/L)	4.	J/
Unknown phtlalate (UG/L)	4.	J/
Unknown phthalate (UG/L)	2.	J/

ACS-GWMW22-01 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	26.	J/

SUMMARY OF TENTATIVELY IDENTIFIED COMPOUNDS
American Chemical Services RD/RA
Griffith, Indiana

Matrix: GW

ACS-GWMW22-91 12/30/94

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	26.	J/

ACS-GWMW23-01 01/05/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Unknown (UG/L)	2.	J/
Unknown (UG/L)	6.	J/
Unknown alcohol (UG/L)	5.	J/
Unknown alcohol (UG/L)	5.	J/
Unknown (UG/L)	20.	J/
Unknown (UG/L)	2.	J/
Unknown (UG/L)	6.	J/
Unknown (UG/L)	6.	J/
Unknown (UG/L)	7.	J/
Propanoic acid, 2-(3-chlorop (UG/L)	3.	NJ/
Secobarbital (UG/L)	2.	NJ/
Hexadecanoic acid (UG/L)	2.	NJ/
Phenobarbital (UG/L)	3.	NJ/

ACS-GWMW24-01 01/04/95

(TBNA) Tentatively-Identified Semi-Volatiles

Compound (Units)	Concentration	LQ/DVQ
Sulfur (UG/L)	2.	NJ/

(TVOA) Tentatively-Identified Volatiles

Compound (Units)	Concentration	LQ/DVQ
Ether (UG/L)	41.	NJ/